

TRANS-NIH SLEEP RESEARCH – FISCAL YEAR 2003

NATIONAL INSTITUTE ON AGING

Grant No	PI	Title	Institution	Funding
R01AG008415	Ancoli-Israel, Sonia	Cognitive Benefits Of Treating Sleep Apnea In Dementia	University of California San Diego	\$267,268
R01AG018760	Behan, Mary	Age,Gender, Serotonin And Respiratory Control	University of Wisconsin Madison	\$246,986
R01AG020269	Bliwise, Donald	Biomarkers Of Aging In The Bay Area Sleep Cohort	Emory University	\$304,073
K24AG000972	Buysse, Daniel	Rational Pharmacotherapy Of Primary Insomnia	University of Pittsburgh at Pittsburgh	\$103,230
R01AG016303	Carley, David	Neurobiology Of Sleep Apnea In Aging	Websciences International	\$330,778
R01AG004307	Chase, Michael	Sleep Mechanisms In The Aged Cat	University Of California Los Angeles	\$429,081
R01AG021020	Cheng, Zixi	Aging, Episodic Hypoxia, And Vagal Cardiac Projections	University of Louisville	\$343,604
R01AG019186	Cole, Philip	Serotonin N Acetyltransferase Mechanism And Inhibition	Johns Hopkins University	\$163,500
R01AG017431	Connell, Bettye	Environmental Interventions To Reduce Nh Noise At Night	Emory University	\$254,587
P01AG009975	Czeisler, Charles	Sleep, Aging And Circadian Rhythm Disorders	Brigham And Women's Hospital	\$1,244,409
F32AG022741	Davidson, Alec	Circadian Organization In The Aged Rodent	University of Virginia Charlottesville	\$46,420
R01AG013418	Duncan, Marilyn	Neural Mechanisms Resetting The Aged Circadian Pacemaker	University of Kentucky	\$279,395
R01AG016362	Earley, Christopher	Determining The Genetics Of Restless Legs Syndrome	Johns Hopkins University	\$400,877
R01AG020287	Earley, Christopher	Response To Iron Treatment For Restless Leg Syndrome	Johns Hopkins University	\$485,371
P01AG014359	Gambetti, Pierluigi	Pathogenetic Mechanisms Of Prion Diseases	Case Western Reserve University	\$189,890
R01AG019361	Gold, Ellen	Sleep During The Peri-Menopause In A Multi-Ethnic Cohort	University of California Davis	\$248,397
K23AG001021	Gooneratne, Nalaka	Role Of Melatonin In Secondary Insomnia In The Elderly	University of Pennsylvania	\$145,102
R01AG019362	Hall, Martica	Sleep During The Perimenopause In A Multi-Ethnic Cohort	University of Pittsburgh at Pittsburgh	\$548,484
R01AG020654	Harper, David	Sleep, Circadian Rhythms And Dementing Illnesses	McLean Hospital (Belmont MA)	\$355,908
K01AG022782	Hsueh, Wen-Chi	Diurnal Preference In Amish Families	University of California san Francisco	\$138,120
R01AG020584	Kilduff, Thomas	Sleep, Aging, And The Hypocretin/Orexin System	SRI International	\$427,212
R01AG019363	Kravitz, Howard	Sleep During The Perimenopause In A Multi-Ethnic Cohort	Harvard University	\$228,375
R01AG012364	Kripke, Daniel	Illumination In Human Aging: Sleep And Mood Effects	University of California San Diego	\$320,544
R01AG020912	Lee, Cheng	Genetic Defects Of The Mammalian Circadian Clock And Pre	Baylor College of Medicine	\$376,250
R01AG021826	Lewy, Alfred	Melatonin Entrainment Of Elderly Blind Free-Runners	Oregon Health & Science University	\$302,878
R43AG022779	Liang, Yiqing	Sleep Research With Digital Video Technologies	Clever Systems, Inc.	\$148,863
R01AG020082	Moe, Karen	Progesterone And Sleep In Older Women	University of Washington	\$284,069
R01AG013396	Monk, Timothy	Phase Shift Tolerance In Older People	University of Pittsburgh at Pittsburgh	\$243,311
P01AG020677	Monk, Timothy	Aging Well, Sleeping Efficiently: Intervention Studies	University of Pittsburgh at Pittsburgh	\$1,570,710
R01AG012112	Murphy, Patricia	Homeostatic Factors In Age Related Sleep Disturbance	Weill Medical College	\$294,800
R01AG017430	Ouslander, Joseph	Transferring Behav Research Into Nursing Home Practice	Emory University	\$576,455

TRANS-NIH SLEEP RESEARCH – FISCAL YEAR 2003

Grant No	PI	Title	Institution	Funding
T32AG000256	Pack, Allan	MD/PhD Program In Sleep And Chronobiology	University of Pennsylvania	\$264,797
P01AG017628	Pack, Allan	The Mechanisms Of Alterations In Sleep With Age	University of Pennsylvania	\$893,548
R01AG017491	Rybarczyk, Bruce	Behavioral Treatment For Comorbid Geriatric Insomnia	Rush Presbyterian St. Luke's Medical Ctr	\$285,545
R01AG023977	Sanders, Mark	OSA And Metabolic Syndrome: Role Of Oxidative Stress	University of Pittsburgh at Pittsburgh	\$372,291
R01AG019360	Sowers, Maryfran	Sleep During The Perimenopause In A Multi-Ethnic Cohort	University of Michigan	\$338,878
P01AG018784	Spiegel, David	Stress, The Hpa And Health In Aging	Stanford University	\$3,051
P01AG018784	Spiegel, David	Stress, The Hpa And Health In Aging	Stanford University	\$12,201
P01AG018784	Spiegel, David	Stress, The Hpa And Health In Aging	Stanford University	\$400,522
R01AG022070	Tsang, Teresa	Diastolic Dysfunction & Atrial Fibrillation In Elderly	Mayo Clinic Rochester	\$348,322
R01AG019914	Urbanski, Henryk	Effect Of Aging And Caloric Restriction On Circadian Ph*	Oregon Health & Science University	\$259,289
P01AG011412	Van Cauter, Eve	Alterations Of Circadian Timing In Sleep And Aging	University of Chicago	\$2,179,521
R37AG002224	Wise, Phyllis	Neuroendocrine And Neurochemical Function During Aging	University of California Davis	\$297,000
R01AG012914	Yesavage, Jerome	Treatments For Insomnia	Stabford University	\$427,879
R01AG014124	Young, Theresa	Menopause And Midlife Aging Effects On Sleep Disorders	University of Wisconsin Madison	\$359,193
R01AG017636	Zhdanova, Irina	Melatonin And Aging In Non-Human Primates	Boston University	\$437,013
NIA TOTAL				\$18,177,997

NATIONAL INSTITUTE ON ALCOHOL ABUSE AND ALCOHOLISM

Grant No	PI	Title	Institution	Funding
5 R01 AA9568	Anton, Raymond F	Gabapentin as an Adjunct to Naltrexone for Alcoholism	Medical University of South Carolina	\$46,420
1 R21 AA14408	Arnedt, J Todd	CBT for Insomnia in Patients with Alcohol Dependence	Brown University	\$116,062
5 K24 AA00304	Brower, Kirk J.	Pharmacotherapy of Alcoholism and Comorbid Insomnia	University of Michigan	\$92,675
1 F32 AA14063	Carden, William B	Cellular Mechanisms of Ethanol's Influence on Sleep	Wake Forest University	\$809,110
5 R01 AA13252	Carskadon, Mary	Alcohol, Sleep, and Circadian Rhythms in Young Humans	Emma Pendleton Bradley Hospital	\$213,097
1 R01 AA14211	Colrain, Ian	Alcoholism: Sleep and the Brain	SRI International	\$254,033
5 R01 AA12504	Dahl, Ronald E	Sleep/Arousal in Adolescence: Pathways to Alcohol Abuse	University of Pittsburgh	\$216,000
5 R21 AA13241	De Lecea, Luis	The Hypocretins and Alcohol Dependence	Scripps Research Institute	\$370,400
5 R01 AA13242	Earnest, David	Development, Alcohol, and Circadian Clock Function	Texas A & M University Health Sci Ctr	\$46,420
5 R01 AA06059	Ehlers, Cindy L	EEG, ERP, and Sleep Measures of Alcohol's Effects	Scripps Research Institute	\$116,062

TRANS-NIH SLEEP RESEARCH – FISCAL YEAR 2003

Grant No	PI	Title	Institution	Funding
5 R01 AA13243	Friedmann, Peter	Trazadone for Sleep Disturbance -Early Alcohol Recovery	Rhode Island Hospital	\$381,458
5 R21 AA13246	Godwin, Dwayne	Cellular Mechanisms of Ethanol's Influence on Sleep	Wake Forest University	\$52,634
5 R01 AA12087	Howland, Jonathan	Hangover, Congeners, Sleep, and Occupational Performance	Boston University	\$321,750
5 R01 AA13239	Irwin, Michael	Alcoholism: Sleep and Cytokines in African Americans	University of California-Los Angeles	\$293,600
1 U01 AA15035	Jacobson, Sandra W	FAS, SIDS, and Stillbirths in Cape Town South Africa	Wayne State University	\$155,417
7 R37 AA14028	Mason, Barbara	Gabapentin Treatment of Alcohol Dependence	Scripps Research Institute	\$185,200
5 R01 AA13253	Roehrs, Timothy A	Insomnia as a Path to Alcohol Abuse	Case Western Reserve-Henry Ford Hosp.	\$144,000
			NIAAA TOTAL	\$4,552,647

NATIONAL INSTITUTE OF ARTHRITIS & MUSCULOSKELETAL & SKIN DISEASES

Grant No	PI	Title	Institution	Funding
5-R01-AR-35582-19	Cauley Jane A	Study Of Osteoporotic Fractures	University Of Pittsburgh At Pittsburgh	\$25,356
5-R01-AR-35583-19	Hillier Teresa A	Study Of Osteoporotic Fractures	Kaiser Foundation Research Institute	\$40,028
5-R01-AR-35584-19	Hochberg Marc C.	Study Of Osteoporotic Fractures	University Of Maryland Balt Prof School	\$26,819
1-U13-AR-50277-01	Lange Gudrun	Role Of Fatigue In Rheumatic Diseases	Univ Of Med/Dent NJ Newark	\$14,911
1-R01-AR-49840-01	Nicassio Perry M	Behavioral Treatments For Rheumatoid Arthritis	University Of California Los Angeles	\$35,857
5-R01-AR-46303-05	Okifuji Akiko	Sex Hormones, Stress, And Pain In Fibromyalgia	University Of Utah	\$33,845
5-R21-AR-48403-02	Postlethwaite Arnold E	Sleep Fragmentation Effects On Murine Cii-Induced Ar	University Of Tennessee Health Sci Ctr	\$71,500
			NIAMS TOTAL	\$248,316

NATIONAL INSTITUTE OF CHILD HEALTH AND HUMAN DEVELOPMENT

Grant No	PI	Title	Institution	Funding
1R01HD042707-01A1	Bartlett,Donald	The Upper Airway And The Sudden Infant Death Syndrome	Dartmouth College	\$355,500
5R01NR008381-02	Carskadon,Mary A	Phase Preference, Sleepiness, And Adolescent Development	Emma Pendleton Bradley Hospital	\$100,000
2U10HD029067-09A1	Corwin,Michael	Event Recordings Of High Risk Infants On Apnea Monitors	Boston University Medical Campus	\$547,192

TRANS-NIH SLEEP RESEARCH – FISCAL YEAR 2003

Grant No	PI	Title	Institution	Funding
2P01HD036379-06	Darnall,Robert A	Animal Physiology Core	Children's Hospital (Boston)	\$216,535
2P01HD036379-06	Darnall,Robert A	Sleep, Thermoregulation And Cardiorespiratory Stability	Children's Hospital (Boston)	\$169,619
2P01HD036379-06	Dymecki,Susan M	Genetic Modeling Of Medullary Serotonergic Development	Children's Hospital (Boston)	\$223,752
5R01HD032774-09	Fifer,William P.	Perinatal Assessment Of At Risk Populations	New York State Psychiatric Institute	\$444,397
1R03HD042042-01A1	Kennedy,Craig H	Sleep Architecture: Individuals With Mental Retardation	Vanderbilt University	\$75,500
2P01HD036379-06	Kinney,Hannah C	The Medullary Serotonergic System In Sids Brainstems	Children's Hospital (Boston)	\$258,037
5R37HD020991-17	Kinney,Hannah C	Brainstem Maturation In The Sudden Infant Death Syndrome	Children's Hospital (Boston)	\$334,400
5R01HD040291-02	Klerman,Elizabeth B	Impact Of Sleep Disruption On Menstrual Cycle Dynamics	Brigham And Women's Hospital	\$217,261
5R01HD018478-15	Koos,Brian J	Hypoxia And Control Of Fetal Breathing Movements	University Of California Los Angeles	\$363,190
5R01HD036520-07	Krueger,James M	Mechanisms Of Sleep Responses To Viral Infections	Washington State University	\$326,250
1F31HD044996-01	Lee,Helen J	Minority Predoctoral Fellowship Program	University Of Pennsylvania	\$27,886
5K24HD001476-03	Legro,Richard S	Insulin Resistance In Pcos--Sequelae And Treatment	Pennsylvania State Univ Hershey Med Ctr	\$135,027
5R01HD042125-02	Lewy,Alfred J	Melatonin Studies Of Totally Blind Children	Oregon Health & Science University	\$338,947
5R01HD033487-07	Lozoff,Betsy	Neuromaturational Delays In Iron Deficient Anemic Infant	University Of Michigan At Ann Arbor	\$441,571
1Z01HD009998-02	Mc Grath,John	Back To Sleep Campaign	Nichd	\$365,057
197NICS105	Mc Grath,John	Back To Sleep Campaign	Iq Solutions	\$77,775
N01HD03308	Mc Grath,John	Back To Sleep Campaign	Iq Solutions	\$88,512
5R01HD040368-02	Mintz,Toben H	Mechanisms Of Early Grammatical Learning In Infants	University Of Southern California	\$182,813
2P01HD036379-06	Nattie,Eugene E	The Medullary Serotonergic System & Respiratory Control	Children's Hospital (Boston)	\$250,819
2P01HD036379-06	Niblock,Mary M	Anatomy Core	Children's Hospital (Boston)	\$220,143
5K23HD041465-02	Pien,Grace W	Longitudinal Study--Sleep-Disordered Breathing/Pregnancy	University Of Pennsylvania	\$130,194
2P01HD036379-06	Richerson,George B	Cellular Mechanisms Of Medullary Serotonergic Neurons	Children's Hospital (Boston)	\$209,317
5F32HD042395-02	Row,Barry W	Stress & Memory Following Postnatal Intermittent Hypoxia	University Of Louisville	\$41,608
5P01HD013063-24	Sahni,Rakesh	Response To Nutrient And Oxygen Supply	Columbia University Health Sciences	\$232,935
5R03HD042479-03	Schuckers,Stephanie A	Predicting Life-Threatening Events In Chime Infant Data	Clarkson University	\$78,500
2P01HD036379-06	St John,Walter M	Control Of Ventilatory Activity In Eupnea And Gasping	Children's Hospital (Boston)	\$256,233
5R01HD038357-04	Super, M	Socialization Of Infants' State, Attention, & Affect	University Of Connecticut Storrs	\$194,178
5R01HD010993-27	Thach, Bradley T	Control Of Breathing In Recovery From Apnea	Washington University	\$338,882
2Y01HD007042-08		Child Sleep Position/SIDS	U.S. Bureau of the Census	\$125,000
NICHD TOTAL				\$7,367,030

TRANS-NIH SLEEP RESEARCH – FISCAL YEAR 2003

NATIONAL INSTITUTE ON DRUG ABUSE

Grant No	PI	Title	Institution	Funding
R01DA04133-17A2	Ator, Nancy A	Functional Analysis Of Gabaergic Sedative/Anxiolytics	Johns Hopkins University	\$0
R01DA15648-02	Boger, Dale L	Inhibitors Of Fatty Acid Amide Hydrolase (FAAH)	Scripps Research Institute	\$57,875
R21DA17122-01	Bolla, Karen I	Sleep Disturbance In Marijuana Withdrawal	Johns Hopkins University	\$125,000
F31DA15259-02	Buber, Marcy	Role Of 5HT2cR In Behavioral Effects Of Chronic MDMA		\$6,863
F32DA14446-03	Burnette, James	Circadian Gene Modulation Of Cocaine	University Of Virginia Charlottesville	\$46,420
R01DA13173-3	Cravatt, Benjamin	Structure/ Function Studies Of Fatty Acid Amide	Scripps Research Institute	\$81,025
R01DA15197-02	Cravatt, Benjamin	Enzymes That Regulate Fatty Acid Amide Function In Vivo	Scripps Research Institute	\$72,092
R03DA16289-01	Donny, Eric C	Effects Of Chronic Exposure To Smoking Stimuli	Johns Hopkins University	\$19,352
R01DA16542-01	Dorsey, Cynthia M	Neurochemical Substrates Of Sleep Homeostasis	Mc Lean Hospital (Belmont, Ma)	\$395,000
R21DA14188-03	Dugovic, Christine	Importance Of Sleep & Genotype In Drug Abuse Studies	Northwestern University	\$147,000
R01DA08105-10	Foltin, Richard W	Laboratory Analysis Of Cocaine Abstinence	Columbia University Health Sciences	\$108,001
R01DA08105-10S1	Foltin, Richard W	Laboratory Analysis Of Cocaine Abstinence	Columbia University Health Sciences	\$9,716
R01DA03889-20	Griffiths, Roland R	Experimental Analysis Of Novel Drugs Of Abuse	Johns Hopkins University	\$108,439
F31DA15272-02	Herin, David V	Role Of 5-HT2A Receptors In MDMA Induced Behavior	University Of Texas Medical Br Galveston	\$6,863
R21DA17696-01	Hirsh, Jay	Non-Invasive Self Administration Methodology For Mice	University Of Virginia Charlottesville	\$35,591
R01DA16541-02	Irwin, Michael R	Cocaine Dependence: EEG Sleep And Cytokines	University Of California San Diego	\$381,250
R01DA14931-01A2	Kuhn, Cynthia M	GHB Tolerance And Dependence	Duke University	\$134,750
T32DA15036-02	Lukas, Scott E.	Training In Drug Abuse And Brain Imaging	Mc Lean Hospital (Belmont, Ma)	\$51,291
R01DA16368-01A1	Malcolm, Robert J	CBT And Modafinil For Cocaine Addiction	Medical University Of South Carolina	\$94,875
R01DA16563-01A1	McCann, Una D	Sleep And Nocturnal Endocrine Function In MDMA User	Johns Hopkins University	\$402,850
R01DA10886-05	McGinnis, Marilyn Y	Anabolic Androgenic Steroid Effects On Brain & Behavior	University Of Texas San Antonio	\$44,813
F32DA14159-02	Pecoraro, Norman	Homeostatic Substrates Of Incentive Re-Valuation	University Of California San Francisco	\$19,160
R01DA05938-10	Ricaurte, George A	MDMA Neurotoxicity In Humans: Occurrence & Consequences	Johns Hopkins University	\$202,955
R01DA14030-03	Roberts, David C	A Novel Animal Model Of Cocaine Addiction	Wake Forest University Health Sciences	\$54,000
R01DA14874-03	Tancer, Manuel E	Consequences Of Mdma In Humans	Wayne State University	\$156,002
R21DA15753-02	Yin, Jerry C	Circadian Influences In Drosophila Memory Formation	Cold Spring Harbor Laboratory	\$166,000
R01DA15418-01A1	Zhdanova, Irina V	Cocaine-Induced Behaviors In Larval Zebrafish	Boston University	\$60,563
			NIDA TOTAL	\$2,987,746

TRANS-NIH SLEEP RESEARCH – FISCAL YEAR 2003

NATIONAL HEART, LUNG, AND BLOOD INSTITUTE

Grant No	PI	Title	Institution	Funding
5R01HL067209-03	Aloia, Mark S	Motivating Adherence To CPAP In Obstructive Sleep Apnea	Brown University	\$429,070
1R01HL070907-01A1	Amin, Raouf S	Mechanisms Mediating C/V Disease In Children With OSA	Children'S Hospital Med Ctr (Cincinnati)	\$372,500
5K25HL004420-03	Ayappa, Indu A	Automated (Ai) Analysis Of Sleep Disordered Breathing	New York University School Of Medicine	\$147,690
5K24HL004174-05	Badr, M. Safwan	Sleep Apnea--Determinants And Consequences	Wayne State University	\$72,370
1R01HL070848-01A1	Barrett-Connor, Elizabeth L	Outcomes Of Sleep Disorders In Older Men	University Of California San Diego	\$617,520
1R01HL075029-01	Bass, Joseph T	Impact Of Sleep On Feeding And The Metabolic Syndrome	Evanston Northwestern Healthcare	\$366,260
3R01HL067604-03S1	Benloucif, Susan J	Responsiveness Of The Aging Circadian Clock To Light	Northwestern University	\$30,203
501HL067604-04	Benloucif, Susan J	Responsiveness Of The Aging Circadian Clock To Light	Northwestern University	\$263,565
5R44HL065151-03	Bergmann, Bernard M	Rat Models To Screen Compounds Inducing Slow-Wave Sleep	Slowave	\$287,771
5R01HL063772-03	Bixler, Edward O	Prevalence Of Sleep Disordered Breathing In Children	Pennsylvania State Univ Hershey Med Ctr	\$269,325
5R01HL071510-02	Block, Gene D	Sleeping Sickness/Cytokine Effects On Biological Clock	University Of Virginia Charlottesville	\$210,000
5R01HL068303-02	Chase, Michael H	Web-Based Sleep Research Protocols And Standards	Websciences International	\$551,075
2T32HL007901-06	Czeisler, Charles A	Training In Sleep, Circadian & Respiratory Neurobiology	Brigham And Women's Hospital	\$520,981
5R01HL052992-08	Czeisler, Charles A.	Bright Light Treatment Of Shift Rotation Insomnia	Brigham And Women's Hospital	\$371,915
5R01HL072722-02	Decker, Michael J	Episodic Neonatal Hypoxia Impairs Sleep And Cognition	Emory University	\$266,000
5U01HL068060-02	Dement, William C	Apples: Apnea Positive Pressure Long-Term Efficacy Study	Stanford University	\$3,020,963
5R01HL063042-04	Dick, Thomas E	Control-Respiratory Modulation Of Sympathetic Activity	Case Western Reserve University	\$214,750
5R01HL050775-10	Duckles, Sue P	Vascular Reactivity: Gender And Hormonal Influence	University Of California Irvine	\$340,875
5R01HL066267-03	Durand, Dominique M	Activation Of Tongue Muscles In Obstructive Sleep Apnea	Case Western Reserve University	\$153,000
1R01HL072408-01A1	Eastman, Charmane I	Effects Of Short And Long Nights On The Circadian Clock	Rush-Presbyterian-St Lukes Medical Ctr	\$361,150
1R01HL073259-01	Edinger, Jack D	Sleep Eeg Spectral Measures Of Insomnia	Duke University	\$128,000
1R01HL075079-01	Ehrmann, David A	Sleep, Metabolic, And Cardiovascular Dysfunction In Pcos	University Of Chicago	\$361,263
1R01HL070847-01A1	Ensrud, Kristine E	Outcomes Of Sleep Disorders In Older Men-Minneapolis	University Of Minnesota Twin Cities	\$522,273
1R01HL075080-01	Epstein, Paul N	Altered Glucose Homeostasis By Sleep Impairment	University Of Louisville	\$329,019
5K23HL004400-04	Fogel, Robert B	Androgens & Sleep: Apnea Epidemiology & Pathophysiology	Brigham And Women's Hospital	\$133,920
1R01HL073146-01	Fogel, Robert B	Sleep Apnea And Obesity: Cardiovascular Risk Assessment	Brigham And Women's Hospital	\$388,682
5R01HL025739-21	Forster, Hubert V	Control Of Breathing During Physiologic Conditions	Medical College Of Wisconsin	\$179,741
5R01HL070301-03	Foster, Gary D.	Sleep Apnea In Look Ahead Participants	University Of Pennsylvania	\$587,530
1R01HL068162-01A2	Fregosi, Ralph F	Functional Mri Of The Pharyngeal Airway	University Of Arizona	\$293,370
5R01HL067007-08	Gillette, Martha U	Cellular Regulators Of Circadian Timing	University Of Illinois Urbana-Champaign	\$326,236

TRANS-NIH SLEEP RESEARCH – FISCAL YEAR 2003

Grant No	PI	Title	Institution	Funding
5R01HL063912-04	Gozal, David A	Rem Sleep Deprivation, Hypoxia, And Hippocampal Function	University Of Louisville	\$324,000
5R01HL069932-02	Gozal, David A	Postnatal Brain Susceptibility To Intermittent Hypoxia	University Of Louisville	\$357,500
2R01HL065270-05	Gozal, David A.	Neurocognitive Function In Snoring Children	University Of Louisville	\$401,500
5R01HL069706-04	Greco, Mary A	Regulation Of Chat Expression During Sleep-Wakefulness	Sri International	\$361,344
5R01HL022418-24	Harper, Ronald M	Neural Control Of Cardiorespiratory Function	University Of California Los Angeles	\$228,750
5R44HL069672-03	Havey, Gary D	Video Polysomnograph For Home Sleep Tests Via Phone Line	Advanced Medical Electronics Corporation	\$409,900
1F32HL071336-01A1	Hoyt, Brian D	Nocturnal Hypoxemia And Executive Functions In OSA	National Jewish Medical & Res Ctr	\$46,420
5R44HL067734-03	Hudgins, William	Novel Patient Interface Monitor For Psg/CPAP Titration	Biomec, Inc.	\$495,925
5K23HL004190-05	Imadojemu, Virginia A	Neurocirculatory Responses In Obstructive Sleep Apnea	Pennsylvania State Univ Hershey Med Ctr	\$129,708
5R01HL059873-07	Jackson, F Rob	Studies Of A Neural Pacemaker Output Pathway	Tufts University Boston	\$356,625
1K23HL073238-01	Katz, Eliot S	Upper Airway Motor Control During Sleep In Children	Children'S Hospital (Boston)	\$125,820
2R01HL059658-06	Kilduff, Thomas S	Neural Gene Expression In Sleep Deprivation And Recovery	Sri International	\$469,531
2R44HL068490-02A1	Kramer, Kevin M	Polysomnograph On A Chip	Advanced Medical Electronics Corporation	\$386,715
2R44HL065166-02A1	Krausman, David T	Ambulatory Airflow-Pressure Monitor For Sleep Medicine	Individual Monitoring Sys, Inc. (Im Sys)	\$481,611
5R01HL047600-11	Kubin, Leszek K	Premotor Control Of Upper Airway And Rem Sleep Atonia	University Of Pennsylvania	\$277,375
5R01HL071097-02	Kubin, Leszek K	Hypothalamo-Brainstem Control Of Sleepness And Arousal	University Of Pennsylvania	\$396,250
1R01HL074385-01	Kubin, Leszek K	Episodic Hypoxia, Hypothalamus And Insulin Resistance	University Of Pennsylvania	\$399,424
5R01HL027520-19	Kuna, Samuel T	Respiratory Related Motor Output To Upper Airway Muscles	University Of Pennsylvania	\$356,625
5R01HL061272-06	Kuna, Samuel T	Pharyngeal Airway Function	University Of Pennsylvania	\$301,006
1R01HL068699-01A1	Leuenberger, Urs A	Sympathetic And Vascular Function In Sleep Apnea	Pennsylvania State Univ Hershey Med Ctr	\$261,975
5R44HL066829-03	Levendowski, Daniel J	Validation Of In-Home Sleep Apnea Risk Evaluation System	Advanced Brain Monitoring, Inc.	\$318,195
2R44HL068463-02A1	Levendowski, Daniel J	Automated Detection Of Sleep Disordered Breathing	Advanced Brain Monitoring, Inc.	\$691,925
4R44HL070484-02	Levendowski, Daniel J	Biobehavioral Measurements Of Alertness In Sleep Apnea	Advanced Brain Monitoring, Inc.	\$683,352
5R01HL066195-04	Levy, Andrew P	Hypoxia Inducible Vegf Production In Sleep Apnea	Technion-Israel Institute Of Technology	\$125,000
1R01HL070837-01A1	Lewis, Cora E	Outcomes Of Sleep Disorders In Older Men-Birmingham	University Of Alabama At Birmingham	\$506,037
1R01HL075034-01	Liu, Rugao	Ros In Episodic Hypoxia-Induced Cardiovascular Dysfunct*	University Of Louisville	\$342,334
5K23HL004056-05	Loredo, Jose S	Chemoreceptors And Hypertension And Sleep Apnea	University Of California San Diego	\$134,216
5R01HL040881-15	Lydic, Ralph B	Cholinergic Mechanisms Of Breathing During Sleep	University Of Michigan At Ann Arbor	\$293,158
5R01HL057120-08	Lydic, Ralph B	Opioid Induced Rem Sleep Inhibition	University Of Michigan At Ann Arbor	\$357,653
2R01HL065272-05	Lydic, Ralph B	Cholinergic Phenotype In Murine Models Of Sleep	University Of Michigan At Ann Arbor	\$298,945
7R01HL058585-06	Marcus, Carole L	Pathophysiology Of Childhood Obstructive Sleep Apnea	Children'S Hospital Of Philadelphia	\$337,624
1R43HL073662-01	Metzger, Anja K	Optimization Of An Implant To Treat Sleep Disorders	Restore Medical, Inc.	\$98,114
5R01HL071515-02	Mignot, Emmanuel J	Sleep Disordered Breathing, Apoe And Lipid Metabolism	Stanford University	\$364,036

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Grant No	PI	Title	Institution	Funding
1F32HL074591-01	Montgomery-Downs, Hawley E	Snoring, Early Behavior, And Oxidant Stress	University Of Louisville	\$46,420
1R01HL075501-01	Mullington, Janet M	Adiposity, Bp & The Inflammatory Response To Sleep Loss	Beth Israel Deaconess Medical Center	\$384,007
1R01HL075035-01	Nieto, F Javier	Sdb, Metabolic Syndrome, And Vascular Function	University Of Wisconsin Madison	\$363,750
5U01HL053941-10	O'connor, George T	Sleep Heart Health Study	Boston University Medical Campus	\$186,275
5R01HL063767-04	O'donnell, Christopher P	Leptin And Ventilatory Control During Sleep	Johns Hopkins University	\$286,125
5R01HL066324-04	O'donnell, Christopher P	Cholinergic Aspects Of The Carotid Body In Sleep Apnea	Johns Hopkins University	\$286,125
1R01HL070838-01A1	Orwoll, Eric S.	Outcomes Of Sleep Disorders In Older Men-Portland	Oregon Health & Science University	\$575,288
2P50HL060287-06	Pack, Allan I	Scor In Neurobiology Of Sleep And Sleep Apnea	University Of Pennsylvania	\$2,201,859
5R01HL060756-05	Pack, Allan I	Treatment Of Sleep Apnea In The Elderly	University Of Pennsylvania	\$582,549
1R01HL072067-01A1	Pack, Allan I	Family Linkage Study Of Obstructive Sleep Apnea	University Of Pennsylvania	\$1,043,657
2T32HL007713-11A1	Pack, Allan I	Training Program In Sleep And Respiratory Neurobiology	University Of Pennsylvania	\$360,604
3T32HL007713-11A1S1	Pack, ALLAN I	Training Program In Sleep And Respiratory Neurobiology	University Of Pennsylvania	\$88,963
5T32HL007953-04	Pack, Allan I	Training In Sleep And Sleep Disorders	University Of Pennsylvania	\$394,238
2F32HL068418-02	Patil, Susheel P	Obesity And Upper Airway Reflex Control During Sleep	Johns Hopkins University	\$56,308
5R01HL069699-03	Pavlidis, Constantine	Gene Regulation And Synaptic Plasticity In Sleep	Rockefeller University	\$344,959
5K08HL068715-02	Polotsky, Vsevolod Y	Sleep Disordered Breathing And Glucose Regulation	Johns Hopkins University	\$131,490
7R01HL059596-07	Ptacek, Louis J. Ii	Characterization Of Advanced Sleep Phase Syndrome	University Of California San Francisco	\$438,902
5K23HL004065-05	Punjabi, Naresh M	Early Identification And Treatment Of Sleep Apnea	Johns Hopkins University	\$129,497
1R01HL075078-01	Punjabi, Naresh M	Effects Of Sleep Apnea On Metabolic Function	Johns Hopkins University	\$408,750
5U01HL053937-10	Punjabi, Naresh M	The Sleep Heart Health Study	Johns Hopkins University	\$15,576
5U01HL053938-10	Quan, Stuart F	The Sleep Heart Health Study	University Of Arizona	\$408,183
5R01HL072702-02	Quattrochi, James J	Cellular And Molecular Mechanisms Of Rem Sleep Control	Massachusetts Mental Health Institute	\$200,550
5U01HL053931-10	Rapoport, David M	Sleep Heart Health Study	New York University School Of Medicine	\$328,088
1R01HL070839-01A1	Redline, Susan	Outcomes Of Sleep Disorders In Older Men- Reading Center	Case Western Reserve University	\$359,447
1R01HL075077-01	Redline, Susan	Effects Of Sleep Apnea Treatment On Metabolic Syndrome	Case Western Reserve University	\$366,070
5R01HL046380-13	Redline, Susan S	Familial Aggregation And Natural History Of Sleep Apnea	Case Western Reserve University	\$629,878
5R01HL070916-02	Redline, Susan S	Outcomes Of Sleep Disordered Breathing In Adolescents	Case Western Reserve University	\$382,500
5U01HL063463-05	Redline, Susan S	The Sleep Heart Health Study: Reading Center Application	Case Western Reserve University	\$351,872
5U01HL063429-05	Resnick, Helaine E	Sleep Heart Health Study	Missouri Breaks Research, Inc.	\$69,688
2R44HL065893-02A1	Riley, William T	Computerized Self-Help Treatment For Primary Insomnia	Personal Improvement Computer Systems	\$443,749
5U01HL053916-10	Robbins, John A	Sleep Heart Health Study	University Of California Davis	\$166,919
5K23HL004426-04	Rosen, Carol L	Evaluation Of Diagnostic Tests For Pediatric Sleep Apnea	Case Western Reserve University	\$127,035
1R01HL075083-01	Saad, Mohammed F	Sleep-Disordered Breathing & The Metabolic Syndrome	University Of California Los Angeles	\$410,713

TRANS-NIH SLEEP RESEARCH – FISCAL YEAR 2003

Grant No	PI	Title	Institution	Funding
5U01HL064360-05	Samet, Jonathan M.	Data Coordinating Center For Sleep Heart Study	Johns Hopkins University	\$800,248
5R01HL068652-02	Samson, Willis K.	Orexinergic Pathways In Central Autonomic Control	St. Louis University	\$388,792
5K24HL067948-02	Schwab, Richard J	Pathogenesis And Genetics Of Obstructive Sleep Apnea	University Of Pennsylvania	\$139,466
5R01HL050381-10	Schwartz, Alan R	Upper Airway Control Of Transtracheal Insufflation	Johns Hopkins University	\$368,084
5R01HL071506-02	Schwartz, Alan R	Cardiovascular Stress Of Sleep Apnea And Heart Failure	Johns Hopkins University	\$350,380
2R44HL067733-02	Seifert, Gregory J	Sleep Diagnostic Device With Wireless Internet Interface	Advanced Medical Electronics Corporation	\$371,901
5U01HL053934-10	Shahar, Eyal	The Sleep Heart Health Study	University Of Minnesota Twin Cities	\$1
2P50HL060296-06	Siegel, Jerome M	Cns Interactions With Hypoxia In OSA	University Of California Los Angeles	\$1,779,285
5R37HL041370-15	Siegel, Jerome M	Control Of Muscle Tone By The Nucleus Magnocellularis	University Of California Los Angeles	\$217,380
1R01HL075025-01	Spiegel, Karine	Predictors Of Adverse Metabolic Effects Of Sleep Loss	Free University Of Brussels	\$297,000
1R01HL070841-01A1	Stefanick, Marcia	Outcomes Of Sleep Disorders In Older Men-Palo Alto	Stanford University	\$513,184
1R01HL071194-01A1	Stone, Katie	Outcomes Of Sleep Disorders In Older Men	University Of California San Francisco	\$592,337
5T32HL007913-05	Strohl, Kingman P	Sleep Medicine Neurobiology And Epidemiology	Case Western Reserve University	\$1
5K23HL004457-02	Thomas, Robert J	Working Memory In Obstructive Sleep Apnea-An Fmri Study	Beth Israel Deaconess Medical Center	\$151,101
5R01HL070522-14	Toth, Linda A	Sleep Patterns During Infectious Disease	Southern Illinois University Carbondale	\$282,000
2T32HL007909-06	Turek, Fred W	Training Grant In Sleep Research	Northwestern University	\$270,617
5R01HL072694-02	Van Cauter, Eve	Extended Work Schedule And Health: Role Of Sleep Loss	University Of Chicago	\$381,250
5R01HL070154-02	Van Dongen, Hans P	Individual Differences In Response To Sleep Deprivation	University Of Pennsylvania	\$402,508
3R01HL070154-02S1	Van Dongen, Hans P	Individual Differences In Response To Sleep Deprivation	University Of Pennsylvania	\$29,408
5R01HL065225-04	Veasey, Sigrid C	Differential Vulnerability To Morbidities Of Sleep Apnea	University Of Pennsylvania	\$237,750
5R01HL064415-04	Vgontzas, Alexandros N	The Role Of Cytokines In Sleepiness And Sleep Apnea	Pennsylvania State Univ Hershey Med Ctr	\$234,900
5R01HL070784-02	Waters, Karen A	The Metabolic Syndrome In Pediatric Obstructive Apnea	Children'S Hospital At Westmead	\$108,000
1K23HL068849-01A2	Weaver, Edward M	Nasal Obstruction And Sleep Apnea Treatment Outcomes	University Of Washington	\$151,857
1R01HL076101-01	Weaver, Terri E	Impact Of CPAP On Functional Outcomes In Milder OSA	University Of Pennsylvania	\$681,633
1R01HL075184-01	Weiss, J Woodrow	Carotid Mediators Of Sympathoexcitation In Sleep Apnea	Beth Israel Deaconess Medical Center	\$356,193
1F32HL072560-01	Wellman, D A	Respiratory Control Stability In Obstructive Sleep Apnea	Brigham And Women's Hospital	\$59,920
2P50HL060292-06	White, David P	Harvard Center On Sleep Neurobiology And Sleep Apnea	Brigham And Women's Hospital	\$2,228,474
5R01HL048531-11	White, David P	Sleep, Airway Patency And The Pharyngeal Musculature	Brigham And Women's Hospital	\$423,750
1R01HL073196-01	Wright, Kenneth P	Effect Of Sleep Deprivation On Inflammatory Markers	University Of Colorado At Boulder	\$146,173
5R01HL062252-05	Young, Theresa B	Epidemiology Of Sleep-Disordered Breathing In Adults	University Of Wisconsin Madison	\$1,005,821
1R01HL071560-01A1	Youngstedt, Shawn D	Preventing Risks Of Long Sleep	University Of South Carolina At Columbia	\$213,298

TRANS-NIH SLEEP RESEARCH – FISCAL YEAR 2003

Grant No	PI	Title	Institution	Funding
1R01HL069988-01A1	Zee, Phyllis C	Circadian Rhythms And Sleep In Familial Dsps And Asps	Northwestern University	\$371,250
				Total Extramural
				OPEC
				RMS
				\$49,359,606
				\$513,000
				\$455,000
NHLBI TOTAL				\$50,327,606

NATIONAL INSTITUTE OF MENTAL HEALTH

Grant No	PI	Title	Institution	Funding
5R01MH061354-04	Alam, Md N	Control Of Sleep And Arousal	Sepulveda Research Corporation	\$118,100
2R01MH058789-05A1	Albers, H Elliott	Photic Entrainment Of Circadian Behaviors	Georgia State University	\$291,000
5R01MH062641-03	Albers, H Elliott	Neurobiology Of Social Behavior	Georgia State University	\$250,250
5T32MH019132-13	Alexopoulos, George S.	Research Training In Geriatric Mood Disorders	Weill Medical College Of Cornell Univ	\$90,732
3R01MH067870-01S1	Allada, Ravi	Function Of Casein Kinase 2 In The Circadian Clock	Northwestern University	\$12,044
1R01MH067870-01	Allada, Ravi	Function Of Casein Kinase 2 In The Circadian Clock	Northwestern University	\$371,771
7K08MH001844-05	Anderson, Matthew P	Ca Channels In Thalamic & Hippocampal Rhythmic Activity	Beth Israel Deaconess Medical Center	\$115,384
5K08MH001844-04	Anderson, Matthew P	Ca Channels In Thalamic & Hippocampal Rhythmic Activity	Brigham And Women's Hospital	\$43,120
7R01MH056953-05	Armitage, Roseanne	Childhood Depression--Physiological Correlates	University Of Michigan At Ann Arbor	\$314,455
7R01MH061515-03	Armitage, Roseanne	Sex Differences In Sleep Regulation In Depression	University Of Michigan At Ann Arbor	\$417,926
5R01MH045361-16	Baghdoyan, Helen A	Cholinergic Mechanisms Of Rem Sleep Generation	University Of Michigan At Ann Arbor	\$210,441
1Z01MH002767-06	Baler, Ruben David	Temporal & Spatial Gene Expression In The Circadian System	Intramural	\$701,550
5R01MH049741-12	Barlow, Robert B	Computational Models Of Retinal And Brain Function	Upstate Medical University	\$223,359
5R01MH052226-09	Benca, Ruth M	Acute Effects Of Light On Sleep	University Of Wisconsin Madison	\$407,602
5R01MH060338-04	Benca, Ruth M	Amygdala And Sleep	University Of Wisconsin Madison	\$288,000
5R01MH062359-03	Berridge, Craig W	Neurobiology Of Orexin/Hypocretin-Induced Arousal	University Of Wisconsin Madison	\$218,250
5R01MH059166-04	Bittman, Eric L	Neural Regulation Of Circadian Rhythms And Photoperiodis	University Of Massachusetts Amherst	\$268,625
5R01MH062517-03	Block, Gene D	Neural Basis Of Mammalian Circadian Organization	University Of Virginia Charlottesville	\$258,232
5K02MH066424-02	Blumberg, Mark S	Homeostasis And Behavioral State Organization In Infants	University Of Iowa	\$107,665
5R01MH053032-09	Brenowitz, Eliot A	Comparative Studies Of Vocal Control	University Of Washington	\$272,591
1K02MH066939-01	Brenowitz, Eliot A	Plasticity Of Vocal Control	University Of Washington	\$117,904

TRANS-NIH SLEEP RESEARCH – FISCAL YEAR 2003

Grant No	PI	Title	Institution	Funding
5F31MH067318-02	Broome, Bede M	Characteristics Of Sleep	California Institute Of Technology	\$37,079
1R01MH067094-01A1	Brown, Ronald L	Generation Of Retinal Signals For Circadian Entrainment	Oregon Health & Science University	\$285,041
5R01MH064867-06	Bucan, Marija	Genetics Of Rest:Activity Behavior In The Mouse	University Of Pennsylvania	\$341,217
5F30MH012351-03	Buchanan, Gordon F	Cholinergic Influence On Circadian Function	University Of Illinois Urbana-Champaign	\$35,871
5R01MH024652-28	Buysse, Daniel J	Psychobiology And Treatment Response In Primary Insomnia	University Of Pittsburgh At Pittsburgh	\$555,004
5R01MH060939-04	Cahill, Gregory M.	Mutational Analysis Of Vertebrate Circadian Rhythmicity	University Of Houston	\$196,463
1R01MH069743-01	Cahill, Gregory M.	Genetic Analysis Of Circadian Rhythmicity	University Of Houston	\$329,650
1R03MH067196-01	Caldwell-Andrews, Alison A	Psychosocial Intervention Program For Hysterectomy	Yale University	\$81,750
2R44MH062852-02	Cantor, Hal C	Real-Time Melatonin Monitor To Diagnose Sleep Disorder	Advanced Sensor Technologies, Inc.	\$458,543
5R01MH052415-10	Carskadon, Mary A	Adolescent Sleep: Circadian And Homeostatic Processes	Emma Pendleton Bradley Hospital	\$620,082
5R25MH058879-06	Carskadon, Mary A	Sleep And Chronobiology Summer Research Apprenticeship	Emma Pendleton Bradley Hospital	\$78,731
1R21MH067600-01	Carter, Patricia A	Development Of Caregiver Sleep Intervention	University Of Texas Austin	\$183,290
1Z01MH002820-01	Charney, Dennis S	Antiglucocorticoid Therapy In Bipolar Depression	Intramural	\$818,476
2R01MH043362-14	Chase, Michael H	Brainstem Regulation Of Active Sleep And Wakefulness	Websciences International	\$405,000
7R25MH059677-05	Chase, Michael H	Training Workshop In Basic Sleep Research	Websciences International	\$117,202
2R01MH044234-14	Church, Russell M.	Temporal Discrimination Learning	Brown University	\$268,028
5K08MH001642-03	Clark, Camellia P	Sleep Deprivation, Eeg, & Functional Mri In Depression	University Of California San Diego	\$167,724
5R01MH064799-02	Crystal, Jonathon D	Mechanisms Of Time Discrimination	University Of Georgia	\$181,000
3R01MH064799-02S1	Crystal, Jonathon D	Mechanisms Of Time Discrimination	University Of Georgia	\$31,380
5R01MH045130-13	Czeisler, Charles A	Treatment Of Circadian Sleep Disorders With Bright Light	Brigham And Women's Hospital	\$713,739
5K02MH001362-08	Dahl, Ronald E.	Sleep/Arousal & Affect Regulation: Puberty Development	University Of Pittsburgh At Pittsburgh	\$117,225
5R24MH067346-02	Dahl, Ronald E.	Affect Regulation And Adolescent Brain Maturation	University Of Pittsburgh At Pittsburgh	\$372,500
2R01MH059839-05	Datta, Subimal	Cellular And Neurochemical Mechanisms Of Rem Sleep	Boston University Medical Campus	\$348,000
5R01MH058543-06	De Lecea, Luis	Neuropeptide Cortistatin And Sleep	Scripps Research Institute	\$416,700
5T32MH020051-04	De Vries, Geert J	Training In Neuroendocrinology	University Of Massachusetts Amherst	\$172,025
1F32MH064291-01A1	Doran, Scott M	Locus Coeruleus Activity During Sleep Deprivation	University Of Pennsylvania	\$49,864
5R01MH052685-08	Dubocovich, Margarita L	Melatonin-Light Interaction On Circadian Activity	Northwestern University	\$247,733
5R01MH063466-02	Dubocovich, Margarita L	Melatonin Receptors As Therapeutic Targets In Primates	Northwestern University	\$302,976
5R01MH059995-05	Dudek, Francis Edward	Local Neuronal Circuits Of The Suprachiasmatic Nucleus	Colorado State University	\$242,742
2R01MH044651-14	Dunlap, Jay C	Identification And Analysis Of Clock Controlled Genes	Dartmouth College	\$675,708
5R01MH060147-03	Earnest, David J	Role Of Bdnf In The Photic Control Of Circadian Rhythms	Texas A&M University Health Science Ctr	\$180,000
1R01MH067057-01A1	Edinger, Jack D	Insomnia Classification Project	Duke University	\$506,407
5K23MH001830-04	Epperson, Cynthia N	Neuronal Dysfunction In Premenstrual Dysphoric Disorder	Yale University	\$153,667

TRANS-NIH SLEEP RESEARCH – FISCAL YEAR 2003

Grant No	PI	Title	Institution	Funding
5R21MH063199-02	Fallone, Gahan P	Adolescent Adhd: Sleep, Symptoms, And Medication	Emma Pendleton Bradley Hospital	\$140,000
5R01MH062521-02	Feinberg, Irwin	Longitudinal Measurements Of Sleep Eeg In Adolescence	University Of California Davis	\$487,749
1F31MH070222-01	Fisher, Jill A	Informed Consent In Private Sector Mental Health Research	Rensselaer Polytechnic Institute	\$41,311
5T32MH017168-20	Fluharty, Steven J	Predoctoral Training In Behavioral Neuroscience	University Of Pennsylvania	\$198,612
5R01MH062003-03	Foa, Edna B	Relationship Between Bio. And Psych. Correlates Of Ptsd	University Of Pennsylvania	\$357,262
1R13MH067650-01	Foster, Russell Grant	2003 Chronobiology Gordon Conference	Gordon Research Conferences	\$15,000
5R01MH067568-03	Frank, Marcos G	Sleep And Neural Plasticity In Developing Neocortex	University Of Pennsylvania	\$277,375
5R01MH063089-02	Freedman, Robert F	Sleep Disturbance In Menopause	Wayne State University	\$335,250
5F31MH064312-03	Freeman, Amanda A	Dopaminergic Mesothalamic System: Anatomy & Physiology	Emory University	\$24,803
5T32MH019927-10	Fritz, Gregory K	Research Training In Child Mental Health	Rhode Island Hospital (Providence, Ri)	\$259,545
1F31MH067420-01A1	Gamble, Karen L	Photic And Nonphotic Interactions On Circadian Behavior	Georgia State University	\$24,045
5F31MH067320-02	Gerdin, Matthew J	Melatonin Regulation Of Mt2 Melatonin Receptors	Northwestern University	\$26,441
5R01MH039531-16	Giles, Donna E.	Is Eeg Sleep Abnormal In Those At Risk For Depression	University Of Rochester	\$351,914
5R01MH051246-08	Girdler, Susan S.	Neuroendocrine Modulation Of Stress Responses In Pms	University Of North Carolina Chapel Hill	\$356,831
5F31MH067413-02	Gooley, Joshua J	Characteristics Of Retinal Cells That Contain Melanopsin	Beth Israel Deaconess Medical Center	\$28,942
2R01MH059740-04A1	Gould, Elizabeth	Hormones, Experience And Hippocampal Neurogenesis	Princeton University	\$356,795
5R01MH061461-03	Green, Carla B.	In Vivo Studies Of Vertebrate Circadian Clock Genes	University Of Virginia Charlottesville	\$184,380
5F31MH065168-02	Hairston, Ilana S	The Role Of Sleep In Adult Neurogenesis	Stanford University	\$37,471
1F31MH070342-01	Hanlon, Erin C	Minority Predoctoral Fellowship Program	University Of Wisconsin Madison	\$28,884
5R01MH061423-04	Hardin, Paul E	Circadian Regulatory Circuits In Drosophila	University Of Houston	\$221,250
5R01MH060013-04	Hasselmo, Michael E	Neuromodulation And Cortical Memory Function	Boston University Charles River Campus	\$246,986
5R01MH061492-04	Hasselmo, Michael E	Cholinergic Regulation Of Entorhinal Network Function	Boston University Charles River Campus	\$252,490
5R01MH063104-04	Herzog, Erik D	Cellular Basis Of Circadian Rhythms In Mammals	Washington University	\$199,506
3R01MH048832-09S1	Hobson, J A	State Dependent Aspects Of Cognition	Harvard University (Medical School)	\$24,552
2T32MH018264-20	Hofer, Myron A	Research Training - Psychobiological Sciences	Columbia University Health Sciences	\$233,778
2R01MH057832-06	Hooper, Scott L	Phase Maintenance: Neuron Properties To Muscle Response	Ohio University Athens	\$199,449
5R01MH059847-04	Horvath, Tamas L	Gonadal Steroid Regulation Of The Biological Clock	Yale University	\$245,250
1F32MH069035-01A1	Huot, Rebecca L	Maternal Depression, Child Temperament And Cortisol	Emory University	\$46,990
1F30MH068087-01	Itri, Jason N	Intercellular Communication In Suprachiasmatic Nucleus	University Of California Los Angeles	\$25,462
5R01MH059890-05	Jennes, Lothar H	Neuroendocrine Mechanisms Of Reproductive Aging	University Of Kentucky	\$223,360
1K23MH066978-01A1	Joffe, Hadine	Physiology Of Estrogen's Mood Effect In Menopausal Women	Massachusetts General Hospital	\$176,498
5K02MH001179-10	Johnson, Carl H	Molecular/Genetic Analysis Of Biological Clocks	Vanderbilt University	\$98,297
5R01MH043836-15	Johnson, Carl H	Molecular/Genetic Analysis Of Biological Clocks In Cells	Vanderbilt University	\$302,000

TRANS-NIH SLEEP RESEARCH – FISCAL YEAR 2003

Grant No	PI	Title	Institution	Funding
5R21MH065910-02	Johnson, Carl H	Cell-Permeant Clock Proteins	Vanderbilt University	\$145,900
2R44MH062886-02	Johnson, David A	Integrated Low-Cost Eeg/Emg Recording System For Mice	Pinnacle Technology, Inc.	\$405,152
5R01MH061385-04	Johnson, Eric O	Epidemiology Of Insomnia & Mental Illness In Adolescence	Case Western Reserve Univ-Henry Ford Hsc	\$280,720
2R01MH060119-04	Jones, Barbara E	Role Of Basal Forebrain Neurons In Sleep-Wake States	Mc Gill University	\$121,500
5R01MH045923-14	Kandel, Eric R	Molecular Biological Approaches: Ltp In The Hippocampus	Columbia University Health Sciences	\$298,375
2R01MH051573-10A1	Kay, Steve A	Cell Biology Of Circadian Signaling Mechanisms	Scripps Research Institute	\$469,250
5K02MH001180-08	Keshavan, Matcheri S.	Brain Maturation And Vulnerability To Schizophrenia	University Of Pittsburgh At Pittsburgh	\$117,223
5R44MH062244-03	Kilgore, James L	Coupled Enzyme Process For Tryptamine Synthesis	Biocatalytics, Inc.	\$358,375
5R03MH063400-02	Kinkead, Becky L	Neurotensin In Estrous Cycle Regulation Of Ppi	Emory University	\$76,000
5R01MH062525-04	Kocsis, Bernat	Cooperation Among Subcortical Networks Underlying Memory	Harvard University (Medical School)	\$254,850
5P30MH030915-26	Kupfer, David J.	Mhirc For The Study Of Mood And Anxiety Disorders	University Of Pittsburgh At Pittsburgh	\$2,364,482
5K01MH001958-03	Lewin, Daniel S	Psychological Sequelae Of Disturbed Sleep In Pediatrics	Children's Research Institute	\$135,353
5R01MH056874-06	Lewy, Alfred J	Melatonin For Circadian Sleep Disorders In The Blind	Oregon Health & Science University	\$377,500
5T32MH019929-10	Lisman, John E	Neuroscience: From Channels To Behavior	Brandeis University	\$199,484
5K08MH002012-03	Lopez, Faustino	Sleep Deprivation And 5-Ht Autoregulatory Processes	University Of California Los Angeles	\$155,883
5R37MH046742-14	Marder, Eve E	Intrinsic Plasticity In Oscillatory Neural Networks	Brandeis University	\$307,131
5R01MH059831-05	Margoliash, Daniel	Neurophysiology Of Sensorimotor Learning	University Of Chicago	\$337,288
5R01MH068028-02	Margoliash, Daniel	Temporal Patterns In Sleep Mechanisms Of Learning	University Of Chicago	\$256,150
1K01MH064550-01A1	Markham, Michael R	Ion Channels In Regulation Of Excitable Membranes	Florida International University	\$109,668
2R01MH057434-04A2	Marks, Gerald A	Brainstem Mechanisms Of Rem Sleep	University Of Texas Sw Med Ctr/Dallas	\$315,000
5R01MH060291-05	Mason, Peggy	Physiology Of Raphe Magnus Cells During Wake And Sleep	University Of Chicago	\$198,936
5R01MH058811-05	Max, Marianna	Adenovirus Mediated Regulation Of Pineal Photoresponses	Mount Sinai School Of Medicine Of Nyu	\$157,996
5R37MH039683-20	Mc Carley, Robert W.	Synaptic Basis Of Sleep Cycle Control	Harvard University (Medical School)	\$442,542
5R01MH062522-03	Mc Carley, Robert W.	Orexin And The Control Of Sleep And Wakefulness	Harvard University (Medical School)	\$211,249
5K01MH001644-05	Mccurry, Susan M	Treating Neuropsychiatric Problems In Dementia	University Of Washington	\$120,613
5R01MH047480-12	Mcginty, Dennis J	Sleep Control By Thermosensitive Neurons	University Of California Los Angeles	\$220,500
5R01MH063341-04	Mcmahon, Douglas G	Molecular Physiology Of Circadian Pacemaking	Vanderbilt University	\$331,634
5R37MH046823-13	Mcnaughton, Bruce L	Hebb Marr Networks The Hippocampus And Spatial Memory	University Of Arizona	\$340,875
5K24MH001917-05	Mellman, Thomas A.	Midcareer-Investigator Award In Patient-Oriented Researc	Dartmouth College	\$102,233
3R01MH054006-07S1	Mellman, Thomas A.	Rem Sleep & Memory Processing During Development Of Ptsd	Dartmouth College	\$44,498
5R01MH054006-07	Mellman, Thomas A.	Rem Sleep & Memory Processing During Development Of Ptsd	Dartmouth College	\$313,215
5R01MH056647-07	Menaker, Michael	Circadian Oscillators In Cultured Mammalian Tissue	University Of Virginia Charlottesville	\$296,000
1Z01MH000509-20	Mirsky, A F	Attention Disorders As Assessed By Event Related Brain P	Intramural	\$187,080

TRANS-NIH SLEEP RESEARCH – FISCAL YEAR 2003

Grant No	PI	Title	Institution	Funding
5R01MH060413-03	Morin, Charles M	Behavioral And Pharmacological Treatment For Insomnia	Laval University	\$225,000
5R01MH064471-02	Morin, Lawrence P	Intrinsic Anatomy Of The Circadian Rhythm System	State University New York Stony Brook	\$150,500
1Z01MH002825-01	Morozov, Alexei Y	Role Of Rhythmic Oscillations In Neuronal Plasticity	Intramural	\$514,470
5R01MH060641-04	Mullington, Janet M	Chronic Sleep Restriction & Human Host Response	Beth Israel Deaconess Medical Center	\$280,570
1Z01MH002228-18	Nash, Howard A	Genetic Neurobiology Of Drosophila	Intramural	\$2,829,587
2R15MH060122-02	Nelson, Dwight E	Photic Sensitivity Of The Circadian Entrainment Pathway	University Of St. Thomas	\$130,000
5R01MH057535-13	Nelson, Randy J	Environment, Behavior, And Reproduction In Rodents	Ohio State University	\$295,000
1R01MH066144-01A1	Nelson, Randy J	Photoperiod, Melatonin, And Sickness Behaviors	Ohio State University	\$291,138
5P50MH066172-02	Nestler, Eric J	Neural Substrates /Appetitive Behavior /Mood /Motivation	University Of Texas Sw Med Ctr/Dallas	\$1,819,816
5R01MH061566-03	Nofzinger, Eric A.	Sleep-Guided Pet Studies In Depression	University Of Pittsburgh At Pittsburgh	\$335,907
5K24MH066227-02	Nofzinger, Eric A.	Sleep Imaging Studies In Depression	University Of Pittsburgh At Pittsburgh	\$100,051
5R01MH018343-33	Nottebohm, Fernando	The Biology Of Neuronal Replacement	Rockefeller University	\$413,771
5F32MH012956-03	Novak, Colleen M	Sleep And Melatonin In Diurnal And Nocturnal Rodents	Georgia State University	\$49,864
5R01MH062335-02	Obrietan, Karl H	Mapk Signaling And Circadian Timing	Ohio State University	\$258,125
1F32MH067390-01A1	O'bryant, Erin L	Neuropeptide-Steroid Interactions In Amphibian Brain	University Of Texas Austin	\$41,608
5R01MH064843-03	Opp, Mark R	Cytokine Neurotransmitter Interactions And Sleep	University Of Michigan At Ann Arbor	\$290,340
5R03MH063823-02	Park, Jae H	Regulation Of Drosophila Circadian Output Pathways	University Of Tennessee Knoxville	\$72,500
5R01MH066197-02	Park, Jae H	Transcriptional Regulation Of Pdf In Drosophila	University Of Tennessee Knoxville	\$211,320
5R01MH059919-04	Parry, Barbara L	Menopausal Depression: Chronobiologic Basis	University Of California San Diego	\$555,464
5R01MH063462-02	Parry, Barbara L	Probing Premenstrual Dysphoric Disorder With Light	University Of California San Diego	\$366,458
5R01MH059392-03	Perlis, Michael L	Beta Eeg Activity In Insomnia	University Of Rochester	\$239,250
5R01MH062296-03	Pickard, Gary E	Retinal Neurons Afferent To The Circadian System	Colorado State University	\$326,250
5R01MH060670-04	Poe, Gina R	Rem Sleep And Memory	University Of Michigan At Ann Arbor	\$203,061
5K23MH065434-02	Press, Daniel Z	Imaging Procedural+Working Memory In Parkinson's Disease	Beth Israel Deaconess Medical Center	\$133,920
5F31MH065054-03	Prichard, Jennifer R	Subcortical Visual System Development	University Of Wisconsin Madison	\$27,495
5R01MH062405-03	Provencio, Ignacio	Photic Regulation Of Circadian Rhythms	Henry M. Jackson Fdn For The Adv Mil/Med	\$259,350
5R01MH062490-03	Rea, Michael A.	Neurochemical Regulation Of Circadian Timing	University Of Houston	\$243,412
1R15MH066826-01	Refinetti, Roberto	Circadian Rhythms: Photic Sensitivity And Behavior	University Of South Carolina At Columbia	\$109,052
5T32MH016804-23	Reynolds, Charles F	Clinical Research Training In Psychiatry	University Of Pittsburgh At Pittsburgh	\$304,061
5R01MH037869-20	Reynolds, Charles F	Geriatric Depression--Neurobiology Of Treatment	University Of Pittsburgh At Pittsburgh	\$684,089
5R01MH063968-03	Richardson, Gary S	Autonomic Dysregulation In Primary Insomnia	Case Western Reserve Univ-Henry Ford Hsc	\$321,750
1R01MH068596-01	Rich-Edwards, Janet W	Predictors Of Antenatal And Postpartum Depression	Harvard Pilgrim Health Care, Inc.	\$313,934
5R01MH065606-02	Roberts, Robert E.	Epidemiology Of Disturbed Sleep Among Adolescents	University Of Texas Hlth Sci Ctr Houston	\$811,054

TRANS-NIH SLEEP RESEARCH – FISCAL YEAR 2003

Grant No	PI	Title	Institution	Funding
5T32MH015330-26	Ross, Christopher A.	Interdisciplinary Training In Psychiatry & Neuroscience	Johns Hopkins University	\$184,396
5R01MH059338-05	Roth, Thomas D	Daytime Sleepiness--Prevalence, Consequences, And Risks	Case Western Reserve Univ-Henry Ford Hsc	\$372,081
1Z01MH002765-07	Rubinow, David	Reproductive Endocrine Related Mood Disorders	Intramural	\$748,320
5R01MH060385-04	Ruby, Norman F	Circadian Rhythm Entrainment	Stanford University	\$197,421
5P01MH041712-17	Ryan, Neal D.	Neurobehavioral Changes In Pediatric Affective Disorder	University Of Pittsburgh At Pittsburgh	\$1,352,800
5K23MH001828-02	Salomon, Ronald M	Dynamic Measures Of Neurochemistry In Mood Disorders	Vanderbilt University	\$169,898
5R01MH064827-03	Sanford, Larry D	Limbic Modulation Of Arousal And Alerting	Eastern Virginia Medical School	\$236,075
5R01MH041138-16	Satinoff, Evelyn	Fever Responses And Their Regulation In Aged Rats	University Of Delaware	\$289,631
5R01MH062589-03	Scammell, Thomas E	Circadian And Aminergic Regulation Of Orexin Neurons	Beth Israel Deaconess Medical Center	\$294,727
5R44MH062251-03	Seifert, Gregory J	Sleep Study Sensors With Embedded Wireless Links	Advanced Medical Electronics Corporation	\$423,945
5T32MH020002-05	Sejnowski, Terrence J	Training Program In Cognitive Neuroscience	University Of California San Diego	\$311,655
1R01MH064724-01A2	Sheikh, Javid I	Sleep In Ptsd/Panic: A Multimodal Naturalistic Study	Stanford University	\$228,163
5R01MH055772-06	Shiromani, Priyattam J	Hypothalamic Regulation Of Sleep	Harvard University (Medical School)	\$231,875
5R01MH064109-03	Siegel, Jerome M	Hypocretin Release In Disease States And Behavior	University Of California Los Angeles	\$305,000
5R01MH062599-02	Silber, Michael H	Hypocretin System Immune Diathesis In Human Narcolepsy	Mayo Clinic Rochester	\$290,905
5R13MH065572-02	Silver, Rae	Society For Research On Biological Rhythms Meeting	Barnard College	\$13,500
5R01MH053433-08	Smale, Laura	The Psychobiology Of Rhythms In Diurnal Mammals	Michigan State University	\$316,699
1R01MH066960-01	Smith, Gerald T	Mechanisms Of Variation In High Frequency Motor Rhythms	Indiana University Bloomington	\$248,075
1F31MH070151-01	Stentz, Carrie L	Analysis Of Cryptochrome Photoreception.	University Of North Carolina Chapel Hill	\$26,133
1R01MH065292-01A2	Stickgold, Robert A	Experimental Manipulation Of Sleep Mentation And Memory	Beth Israel Deaconess Medical Center	\$356,242
5R01MH063323-02	Szymusiak, Ronald	Median Preoptic Nucleus And The Control Of Sleep	Sepulveda Research Corporation	\$177,150
1R01MH067122-01	Taghert, Paul H	Mechanisms Of Circadian Clock Output	Washington University	\$369,250
5U01MH061915-03	Takahashi, Joseph S	Mouse Mutagenesis: Phenotype-Driven Neuroscience Screens	Northwestern University	\$2,826,713
3R01MH042931-13S1	Terman, Michael	Lightion Therapy For Seasonal Affective Disor	New York State Psychiatric Institute	\$85,009
5K01MH001798-04	Thakkar, Mahesh	Electrophysiology & Pharmacology Of Sleep-Wakefulness	Harvard University (Medical School)	\$130,044
5R01MH065135-03	Tononi, Giulio	Functional Changes Induced By Sleep Deprivation	University Of Wisconsin Madison	\$254,625
5T32MH018399-18	Turner, Eric E	Fellowship In Biological Psychiatry And Neuroscience	University Of California San Diego	\$333,031
5R21MH065062-03	Vazquez, Delia M	Depression Risk, Infant-Mother Attachment And Cortisol	University Of Michigan At Ann Arbor	\$501,319
1R01MH064797-01A2	Vicini, Stefano	Cerebellar Inhibitory Synapses In Gabar Subunits Ko Mice	Georgetown University	\$294,392
5K02MH001158-10	Vitiello, Michael V.	Age Related Sleep Impairment--Possible Interventions	University Of Washington	\$117,612
5R21MH065497-02	Waschek, James A	Gene Targeting To Study Light-Induced Circadian Changes	University Of California Los Angeles	\$152,500
1Z01MH002739-08	Wehr, Thomas A	Melatonin As A Chemical Cause Of Winter Depression	Intramural	\$140,310
1Z01MH002772-06	Wehr, Thomas A	The Regulation Of Habitual Sleep Duration	Intramural	\$140,310

TRANS-NIH SLEEP RESEARCH – FISCAL YEAR 2003

Grant No	PI	Title	Institution	Funding
5R01MH059943-05	Weitz, Charles J	Mammalian Per Gene Regulation By The Clock Protein	Harvard University (Medical School)	\$322,536
1K08MH067657-01	Welsh, David K	Circadian Clock Cells: Autonomy, Coupling, And Subtypes	University Of California San Diego	\$161,222
1Z01MH002800-01	White, Benjamin H	Identifying Neural Substrates Of Behavior In Drosophila	Intramural	\$1,828,708
5F32MH063579-03	Wijnen, Herman	Output Of The Circadian Clock	Rockefeller University	\$48,148
5R01MH061976-02	Wilson, Matthew Alden	Hippocampal Prefrontal Cortical Interactions In Memory	Massachusetts Institute Of Technology	\$289,625
5R01MH062119-03	Wohlgemuth, William K	Combined Behavioral/Pharmacological Therapy For Insomnia	Duke University	\$241,782
1R21MH065967-01A1	Wyatt, James K	Basic Mechanisms Of Delayed Sleep Phase Syndrome	Rush-Presbyterian-St Lukes Medical Ctr	\$136,900
5R01MH059284-04	Yamuy, Jack	Neurotrophin Control Of Rem Sleep	University Of California Los Angeles	\$152,500
5R01MH064104-03	Yehuda, Rachel	Relationship Between Bio And Psych Correlates Of Ptsd	Mount Sinai School Of Medicine Of Nyu	\$163,500
5R01MH050030-06	Young, Elizabeth Ann	Stress And Reproductive Hormones In Depression	University Of Michigan At Ann Arbor	\$333,474
1Z01MH000422-32	Zatz, Martin	Regulation Of Circadian Rhythms	Intramural	\$2,244,961
4R44MH066488-02	Zemlan, Frank P	Melatonin Analog For Sleep Disorders	Phase 2 Discovery, Inc.	\$504,282
1R01MH065528-01A2	Zhdanova, Irina V	Melatonin, Behavior And Neuronal Activity In Zebrafish	Boston University Medical Campus	\$269,172
5R01MH061171-36	Zucker, Irving	Photoperiod, Behavior And Brain Function	University Of California Berkeley	\$326,768
			NIMH TOTAL	\$63,222,502

NATIONAL INSTITUTE OF NEUROLOGICAL DISORDERS AND STROKE

Grant No	PI	Title	Institution	Funding
5R01NS040782-03	Allen, Charles N	Presynaptic Mechanisms In The Suprachiasmatic Nucleus	Oregon Health & Science University	\$464,000
1R21NS044862-01	Allen, Richard P	Hypocretin, Histamine And The Restless Legs Syndrome	Johns Hopkins University	\$156,250
5T32NS044851-02	Block, Gene D	Temporal Biology Training Program	University Of Virginia Charlottesville	\$155,151
7R01NS041971-03	Borjigin, Jimo	Molecular Dissection Of Melatonin Synthesis In Vivo	University Of Michigan At Ann Arbor	\$264,570
2R42NS039271-02	Boulos, Ziad	Light Visor For Treating Jet Lag: Controlled Field Trial	Bio-Brite, Inc.	\$279,580
5R01NS036590-06	Brainard, George C	Ocular Control Of Melatonin Regulation: Action Spectrum	Thomas Jefferson University	\$323,530
5F32NS011134-03	Burgoon, Penny W	Neurotransmitter Regulation In The Circadian Clock	University Of Illinois Urbana-Champaign	\$51,904
5P01NS039546-04	Cassone, Vincent M	Coordination Of Circadian Physiology Of Diverse Species	Texas A&M University System	\$979,731
5R01NS009999-28	Chase, Michael H	State Dependent Control Of Motoneuron Activity	University Of California Los Angeles	\$305,000
5R01NS023426-15	Chase, Michael H	Neurotransmitter Control Of Sleep And Wakefulness	University Of California Los Angeles	\$299,844
1R01NS043169-01A1	Colwell, Christopher S	Neuropeptides And The Mammalian Circadian System	University Of California Los Angeles	\$346,048

TRANS-NIH SLEEP RESEARCH – FISCAL YEAR 2003

Grant No	PI	Title	Institution	Funding
5R01NS040982-03	Czeisler, Charles A.	After-Effects Of Entrainment On Human Circadian Period	Brigham And Women's Hospital	\$317,500
5R01NS041886-03	Czeisler, Charles A.	Circadian Adaptation To Non-24-Hour Sleep-Wake Schedules	Brigham And Women's Hospital	\$317,500
3R01NS030816-10S1	Dark, John G	Annual Rhythms Of Energy Balance And Behavior	University Of California Berkeley	\$62,320
5R01NS034004-09	Datta, Subimal	Mechanisms Underlying The Cognitive Function Of Sleep	Boston University Medical Campus	\$326,000
1R01NS047014-01	Ding, Jian M	Dysregulation Of Circadian Rhythm By Hiv Protein Tat	East Carolina University	\$236,906
3U54NS041069-03S1	Duffy, Lawrence	Alaskan Basic Neuroscience Program	University Of Alaska Fairbanks	\$24,552
3U54NS041069-04S1	Duffy, Lawrence	Alaskan Basic Neuroscience Program	University Of Alaska Fairbanks	\$7,353
5U54NS041069-04	Duffy, Lawrence	Alaskan Basic Neuroscience Program	University Of Alaska Fairbanks	\$165,602
1R01NS042857-01A1	Earley, Christopher J	Dopamine And Iron In Restless Legs Syndrome	Johns Hopkins University	\$528,631
5R01NS042088-03	Ederly, Isaac	Seasonal Adaptation Of A Circadian Clock	Rutgers The St Univ Of Nj New Brunswick	\$262,704
5T32NS007222-22	Feldman, Eva L	Training In Clinical And Basic Neuroscience	University Of Michigan At Ann Arbor	\$25,906
5P01NS015655-23	Frey, Kirk A	Pet Study Of Biochemistry And Metabolism Of The Cns	University Of Michigan At Ann Arbor	\$668,417
3R01NS020246-18S1	Garcia-Rill, Edgar E	Central Modulation Of Rhythms	University Of Arkansas Med Scis Ltl Rock	\$50,000
5R01NS020246-18	Garcia-Rill, Edgar E	Central Modulation Of Rhythms	University Of Arkansas Med Scis Ltl Rock	\$277,400
5R01NS022155-17	Gillette, Martha U	Physiological Substrates Of A Circadian Oscillator	University Of Illinois Urbana-Champaign	\$377,466
5R01NS035859-07	Gillette, Martha U	Cholinergic Regulation Of The Circadian Clock	University Of Illinois Urbana-Champaign	\$264,394
5R01NS035229-07	Glass, John D	Neurologic Regulation Of The Scn Circadian Clock	Kent State University At Kent	\$323,633
1R01NS045791-01	Greco, Mary Ann K	Vacht Expression Across Sleep-Wakefulness	Sri International	\$374,373
5Z01NS002667-19	Hallett, Mark	Physiological Analysis Of Involuntary Movements		\$74,107
5U54NS039407-05	Haxhiu, Musa A	Neuronal And Chemical Control Of Breathing An Airways Fu	Howard University	\$680,749
5R01NS037571-05	Henriksen, Steven J	Narcolepsy--Multicenter Genetic And Family Study	Scripps Research Institute	\$807,870
1R01NS045248-01A1	Hochman, Shawn	Dopaminergic Control Of Spinal Cord And Restless Legs	Emory University	\$330,085
5R01NS034774-08	Huguenard, John R	Inhibitory Controls In The Thalamic Reticular Nucleus	Stanford University	\$76,832
1R01NS045817-01	Jackson, F Rob	Andante/Ck1b In The Drosophila Circadian Clock	Tufts University Boston	\$301,150
N44NS002345	Jewett, David	Evoked Potential G-Wave Detection For Sleep Anal	Abratech Corporation	\$412,915
5F31NS042406-02	Jobst, Erin E	Neurophysiology Of Calbindin Neurons In The Scn	Oregon Health & Science University	\$27,822
5R44NS042451-03	Kayyali, Hani	A New Device For Untethered Home Sleep Studies	Cleveland Medical Devices, Inc.	\$462,099
5K23NS002138-05	Krakauer, John W	Mechanisms Of Motor Learning In Neurological Disease	Columbia University Health Sciences	\$13,011
3R01NS025378-17S1	Krueger, James M	Interleukin 1--A Promoter Of Slow Wave Sleep	Washington State University	\$5,123
5R01NS025378-18	Krueger, James M	Interleukin 1--A Promoter Of Slow Wave Sleep	Washington State University	\$310,391
5R01NS027250-16	Krueger, James M	Sleep Regulation-The Involvement Of Ghrelin	Washington State University	\$336,903
5R01NS031453-11	Krueger, James M	Sleep Regulation And Tumor Necrosis Factor	Washington State University	\$362,500

TRANS-NIH SLEEP RESEARCH – FISCAL YEAR 2003

Grant No	PI	Title	Institution	Funding
1R01NS042566-01A2	Lai, Yuan-Yang	Ventral Mesopontine Junction And Motor Activity	University Of California Los Angeles	\$209,475
5R01NS027881-09	Leonard, Christopher S	Synaptic Modulation Of Mesopontine Cholinergic Neurons	New York Medical College	\$297,350
5R01NS046062-02	Lindsey, Bruce G	Computational Studies Of The Respiratory Brainstem	University Of South Florida	\$308,359
1R01NS045829-01	Liu, Rugao	Ros In Intermittent Hypoxia-Mediated Neuronal Cell Death	University Of Louisville	\$324,108
5R01NS038523-03	Longstreth, W T	Epidemiology Of Narcolepsy	University Of Washington	\$591,187
1R01NS042859-01A2	Louis, Elan D	Pathogenesis Of Essential Tremor: Cerebellar Metabolism	Columbia University Health Sciences	\$230,905
1R21NS045086-01	Macchi, Mariana M	Sleep And Circadian Rhythms After Pineal Resection	New York State Psychiatric Institute	\$166,695
5U54NS034194-10	Macleish, Peter R	Developmental Neuroscience Research Program	Morehouse School Of Medicine	\$350,000
7K02NS002099-05	Malow, Beth A	Facilitation Of Epileptic Activity By Sleep And Arousal	Vanderbilt University	\$132,300
7R01NS042698-02	Malow, Beth A	Effects Of Treating Obstructive Sleep Apnea In Epilepsy	Vanderbilt University	\$534,676
5T32NS007292-18	Marder, Eve E	Neurobiology: Genes, Channels, And Behavior	Brandeis University	\$94,272
5U54NS039409-05	Martinez, Joseph L.	Experience-Dependent Structural Plasticity In Cns	University Of Texas San Antonio	\$305,345
4R37NS033797-10	Mignot, Emmanuel J	Molecular Genetics Of Human Narcolepsy	Stanford University	\$497,082
5P50NS023724-17	Mignot, Emmanuel J	Center For Narcolepsy And Related Disorder	Stanford University	\$1,279,821
1R15NS043155-01A2	Mintz, Eric M	Neurotransmitter Regulation Of Circadian Rhythms	Kent State University At Kent	\$140,274
5F32NS011158-03	Mitchell, Jennifer W	Cellular Organization Of The Circadian Light Response	University Of Illinois Urbana-Champaign	\$48,148
2R01NS022168-18A1	Morin, Lawrence P.	Brain, Behavior And Biological Rhythms	State University New York Stony Brook	\$335,406
5R01NS038050-04	Mueller, Gregory P	Fatty Acid And Peptide Amidation--A Shared Mechansim	Henry M. Jackson Fdn For The Adv Mil/Med	\$222,750
1R01NS043239-01A1	Nakajima, Yasuko	Neuropharmacology Of Arousal And Sleep Disorders	University Of Illinois At Chicago	\$356,931
5R44NS043129-03	Nichols, L D	A New Method For Treating Sleep Disorders	Biotek, Inc.	\$239,920
5R01NS041483-03	Pedersen, Nancy L	A Twin Study Of Chronic Fatigue Syndrome In Sweden	Karolinska Institute	\$37,455
5R01NS035615-07	Pickard, Gary E	5ht Presynaptic Inhibition Of Retinal Input To The Scn	Colorado State University	\$362,500
5R01NS040098-03	Quan, Ning	Pathophysiology Of Neuroimmune Communication	Ohio State University	\$25,725
1R13NS046317-01	Rayner, Martin D	Conference Of Specialized Centers In Neurosciences	University Of Hawaii At Manoa	\$2,350
5R01NS039303-05	Reppert, Steven M	Circadian Clock Mechanism In The Scn	Univ Of Massachusetts Med Sch Worcester	\$331,193
5R01NS030989-11	Rudy, Bernardo	Expression And Function Of K+ Channel Genes In Brain	New York University School Of Medicine	\$41,250
5R01NS043374-02	Rye, David B	Circuitry Of Midbrain Dopamine In Sleep & Wake	Emory University	\$252,700
5R01NS040788-03	Schwartz, William J	Hypothalamic Reconstruction Using Neural Precursor Cells	Univ Of Massachusetts Med Sch Worcester	\$109,399
5R01NS040110-03	Selverston, Allen I	Stability And Flexibility Of Oscillatory Neural Circuits	University Of California San Diego	\$372,200
5R01NS031720-08	Shaffery, James P	Brain Maturation: Function For Rapid Eye-Movement Sleep	University Of Mississippi Medical Center	\$224,250
2R01NS030140-11A1	Shiromani, Priyattam J	Brain Mechanisms In Sleep And Narcolepsy	Harvard University (Medical School)	\$291,875
1R01NS042947-01A1	Siegel, Jerome M	Sleep In Cetaceans	University Of California Los Angeles	\$295,413
4R37NS014610-24	Siegel, Jerome M	Immunological Factors In Narcolepsy	University Of California Los Angeles	\$296,982

TRANS-NIH SLEEP RESEARCH – FISCAL YEAR 2003

Grant No	PI	Title	Institution	Funding
5R01NS037919-06	Silver, Rae	Physiological Dissection Of The Scn	Barnard College	\$325,964
1R43NS045417-01A1	Smith, Jack R	Pediatric Polysomnography	Neurotronics, Inc.	\$100,000
1R43NS047746-01	Smith, Jack R	Extensible System For Disseminating Polysomnography Data	Neurotronics, Inc.	\$100,000
5R01NS040109-04	Staley, Kevin J	Developmental Epilepsy And Conditional Gabaa Function	University Of Colorado Hlth Sciences Ctr	\$75,500
5R01NS037056-06	Storm, Daniel R	Calcium And Camp Regulation Of The Circadian Clock	University Of Washington	\$320,526
1F32NS045512-01A1	Tapper, Andrew R	Design And Analysis Of Adnflc Mutant Nachr Knock-In Mice	California Institute Of Technology	\$41,608
1R01NS043459-01A1	Tosini, Gianluca	Photic And Circadian Regulation Of Retinal Melatonin.	Morehouse School Of Medicine	\$309,000
5S11NS038483-05	Tosini, Gianluca	Plasticity Of Mammalian Circadian Axis	Morehouse School Of Medicine	\$328,271
3R01NS041454-02S1	Van Den Pol, Anthony N	Hypocretin Neurons	Yale University	\$50,000
5R01NS041454-02	Van Den Pol, Anthony N	Hypocretin Neurons	Yale University	\$279,585
5R01NS040829-02	Walters, Arthur S	Study Of L-Dopa In Adhd And Rls/Plms	Jfk Medical Center	\$413,866
5R01NS043491-02	Weitz, Charles J	Secreted Scn Factors And Circadian Locomotor Activity	Harvard University (Medical School)	\$497,553
			NINDS TOTAL	\$24,587,991

NATIONAL INSTITUTE OF NURSING RESEARCH

Grant No	PI	Title	Institution	Funding
2R01NR004573-04A1	Barsevick, Andrea M	Management Of Cancer-Related Fatigue And Sleep Quality	Fox Chase Cancer Center	\$566,907
5R01NR007762-02	Berger, Ann M.	Fatigue & Breast Cancer-A Behavioral Sleep Intervention	University Of Nebraska Medical Center	\$312,375
1R01NR008044-01A1	Brandon, Debra H	Preterm Infants: Light Effects On Health And Development	Duke University	\$340,786
5R01NR008032-02	Carlson, Barbara W	Respiratory Periodicity And Cognitive Decline In Elders	University Of North Carolina Chapel Hill	\$332,618
5R01NR008381-02	Carskadon, Mary A	Phase Preference, Sleepiness, And Adolescent Development	Brown University	\$250,000
1R01NR008024-01A1	Davis, Jean E	Exercise & Sleep: A Clinical Trial In Menopausal Women	Wayne State University	\$318,874
1F31NR008830-01	Davis, Katherine F	Health Outcomes Related To Preschooler's Sleep Behaviors	Emory University	\$24,525
5R01NR004281-08	Dinges, David F	Neurobehavioral Effects Of Partial Sleep Deprivation	University Of Pennsylvania	\$419,013
5R01NR007677-04	Eastman, Charmane I	Reducing Jet-Lag With Practical Circadian Treatments	Rush-Presbyterian-St Lukes Medical Ctr	\$286,000
1R01NR008585-01	Gross, Cynthia R	Impact Of Mind-Body Interventions Post Organ Transplant	University Of Minnesota Twin Cities	\$453,505
5R01NR001094-16	Heitkemper, Margaret M	A Nursing Study Of Gut Function In Menstruating Women	University Of Washington	\$343,377
5R01NR004142-06	Heitkemper, Margaret M	Nursing Management Of Ibs: Improving Outcomes	University Of Washington	\$577,244
5R01NR005005-03	Higgins, Patricia A	Adult Failure To Thrive In Long-Term Ventilator Patients	Case Western Reserve University	\$390,886
5R01NR004994-04	Hill, Pamela D	Milk Availability & Lactation Status In Mothers	University Of Illinois At Chicago	\$339,633

TRANS-NIH SLEEP RESEARCH – FISCAL YEAR 2003

Grant No	PI	Title	Institution	Funding
5R01NR007610-04	Hinds, Pamela S	Sleep, Fatigue, And Dexamethosone In Childhood Cancer	St. Jude's Children's Research Hospital	\$322,811
1R01NR008238-01A1	Kieckhefer, Gail M	Sleep And Nocturnal Asthma In Youth	University Of Washington	\$309,758
1R01NR008136-01A1	Landis, Carol A	Sleep In Children With Juvenile Rheumatoid Arthritis	University Of Washington	\$355,527
5R01NR005345-03	Lee, Kathryn A	Sleep Disruption In New Parents: An Intervention Trial	University Of California San Francisco	\$389,867
5T32NR007088-08	Lee, Kathryn A	Nursing Research Training In Symptom Management	University Of California San Francisco	\$450,065
5R01NR004926-04	Ludington, Susan M	Preterm Skin Contact Effects On Electrophysiologic Sleep	Case Western Reserve University	\$386,083
5F31NR007850-02	Mentro, Anne M	Autonomic Influences Infant Growth Chronic Lung Disease	Ohio State University	\$37,497
5R01NR004959-04	Merritt, Sharon L	Pupillometric Sleepiness In Treated Sleep Disorders	University Of Illinois At Chicago	\$364,803
5T32NR007074-12	Metzger, Bonnie L	Neuroscience/Neurobehavior Nursing Research Training	University Of Michigan At Ann Arbor	\$291,804
5T32HL007953-04	Pack, Allan I	Training In Sleep And Sleep Disorders	University Of Pennsylvania	\$100,000
2R01NR004340-04A1	Parker, Kathy P	The Effects Of Hemodialysis On The Sleep/Wake Cycle	Emory University	\$452,841
5R01NR008125-02	Parker, Kathy P	Pain, Opioids, And Sleep In Cancer Patients	Emory University	\$374,616
5P20NR007798-03	Parker, Kathy P	Symptoms, Symptoms Interactions, And Health Outcome	Emory University	\$236,821
1R01NR008022-01A1	Redeker, Nancy S	Sleep And Functional Performance In Heart Failure	Univ Of Med/Dent NJ Newark	\$414,700
5R01NR007771-02	Richards, Kathy C	Effect Of Activities And Exercise On Sleep In Dementia	University Of Arkansas Med Scis Ltl Rock	\$433,529
1F31NR008458-01	Rodway, George W	Intermittent Hypoxia: Cv Impact And Biologic Markers	University Of Pittsburgh At Pittsburgh	\$42,014
2R42NR004952-02A2	Rowe, Meredith A	Night Alert Prompting System	Amron Corporation	\$168,000
5R01NR005075-03	Sidani, Souraya	Alternative Methods For Clinical Research	University Of Toronto	\$356,962
5R01NR004828-04	Smith, Carol E	Rural Dwelling Older Adults: CPAP Adherence Support	University Of Kansas Medical Center	\$499,983
5K01NR007649-03	Thomas, Karen A.	Maternal Entrainment Of Infant Circadian Rhythm	University Of Washington	\$86,616
5R01NR007656-02	Wilkie, Diana J	Massage Therapy Effects In Hospice Patients With Cancer	University Of Washington	\$0
NINR TOTAL				\$11,030,040

NATIONAL CENTER FOR RESEARCH RESOURCES

Grant No	PI	Title	Institution	Funding
G12RR017581-2	Adams, Clara I	Act 3: Sleep Deprivation Stress & Energy Metabolism	Morgan State University	\$130,551
M01RR000240-39	Altschuler, Steven M	Mri Imaging Of The Upper Airway Of Children With OSAs	Children's Hospital Of Philadelphia	\$29,772
M01RR000240-39	Altschuler, Steven M	Sleep Disturbances In Children With Cf During Pulmonary Exacerbation	Children's Hospital Of Philadelphia	\$11,650
M01RR000240-39	Altschuler, Steven M	Periodic Limb Movements In Williams Syndrome	Children's Hospital Of Philadelphia	\$5,340

TRANS-NIH SLEEP RESEARCH – FISCAL YEAR 2003

Grant No	PI	Title	Institution	Funding
M01RR014467-3	Andrews, Mitchell D	Effect Of One Week CPAP Trt. In Obstructive Sleep Apnea In Pts. With Gerd	University Of Oklahoma Hlth Sciences Ctr	\$7,885
M01RR006192-10	Berlin, Richard D	Nefazodone	University Of Connecticut Sch Of Med/Dnt	\$9,059
M01RR006192-10	Berlin, Richard D	Circadian Blood Pressure Profile	University Of Connecticut Sch Of Med/Dnt	\$70,857
M01RR000833-29	Beutler, Ernest N	Melatonin Treatment For Sleep Disturbances During Menopause	Scripps Research Institute	\$75,241
M01RR000833-29	Beutler, Ernest N	Sleep Eeg Delta And Night Plasma Levels Of Tnf-Alpha In Healthy Humans	Scripps Research Institute	\$4,950
M01RR000833-29	Beutler, Ernest N	Nasal Inflammation In Obstructive Sleep Apnea Treated With Nasal CPAP	Scripps Research Institute	\$109,891
M01RR000833-29	Beutler, Ernest N	Estrogen And Melatonin For The Improvement Of Sleep Quality During Menopause	Scripps Research Institute	\$43,560
M01RR008084-10	Boat, Thomas F	Effect Of Obstructive Sleep Apnea On Cardiac Function	Children's Hospital Med Ctr (Cincinnati)	\$11,872
M01RR008084-10	Boat, Thomas F	Melatonin On Blood Pressure In Type I Diabetes	Children's Hospital Med Ctr (Cincinnati)	\$21,484
M01RR000585-32	Burnett, John C Jr	Spectral Oscillations In Neural Circulatory Control In Humans	Mayo Clinic Rochester	\$23,657
M01RR000585-32	Burnett, John C Jr	Cardiovascular Disease Mechanisms In Sleep Apnea	Mayo Clinic Rochester	\$51,764
M01RR000585-32	Burnett, John C Jr	Genetic Background Of Cardiovascular And Sleep Disorders In Humans	Mayo Clinic Rochester	\$84,790
M01RR000533-35	Chobanian, Aram V	Obstructive Sleep Apnea In Idiopathic Congestive Heart Failure	Boston University Medical Campus	\$2,651
M01RR000533-35	Chobanian, Aram V	Neurobehavioral Consequences Of Sleep Apnea In Children	Boston University Medical Campus	\$141,283
M01RR000071-40	Davis, Kenneth L	Psychosocial Factors And Cardiovascular Disease, (Program Project) Project #1	Mount Sinai School Of Medicine Of Nyu	\$35,803
M01RR000071-40	Davis, Kenneth L	Sleep Heart Health Study	Mount Sinai School Of Medicine Of Nyu	\$13,082
M01RR000032-43	Deal, William B	Obstructive Sleep Apnea-Induced Hyperaldosteronism	University Of Alabama At Birmingham	\$10,480
M01RR000079-40	Debas, Haile T	Exercise Cancer Pilot	University Of California San Francisco	\$32,018
M01RR000079-40	Debas, Haile T	Sleep Ptsd	University Of California San Francisco	\$128,675
M01RR000334-37	Dorsa, Daniel M	Identification Of Free-Running Rhythms In Totally Blind Children	Oregon Health & Science University	\$8,380
M01RR000334-37	Dorsa, Daniel M	Effects Of Growth Hormone Treatment In Prader-Willi Patients	Oregon Health & Science University	\$41,904
M01RR000334-37	Dorsa, Daniel M	Melatonin For Circadian Sleep Disorders In The Blind	Oregon Health & Science University	\$150,210
M01RR000334-37	Dorsa, Daniel M	Melatonin For Circadian Sleep Disorders In The Blind	Oregon Health & Science University	\$315,889
M01RR000334-37	Dorsa, Daniel M	Melatonin For Sleep Disorders In Parkinson's Disease	Oregon Health & Science University	\$5,802
P51RR000163-44	Dorsa, Daniel M	Menopause In The Rhesus Macaque	Oregon Health & Science University	\$74,752
M01RR002635-19	Dzau, Victor J	Interactions Between The Hpa Axis And Ans In Women With Fibromyalgia	Brigham And Women's Hospital	\$49,890
M01RR002635-19	Dzau, Victor J	Effects Of Disruptive Sleep On Hormonal And Renal Responses To Posture	Brigham And Women's Hospital	\$406,792
M01RR002635-19	Dzau, Victor J	Clinical Trials Of Melatonin As Hypnotic	Brigham And Women's Hospital	\$2,558
M01RR002635-19	Dzau, Victor J	Disrupted Sleep In The Elderly: Circadian Etiology	Brigham And Women's Hospital	\$5,756
M01RR002635-19	Dzau, Victor J	Investigation Of Day/Night Orexin-A Variation In Healthy Male Subjects	Brigham And Women's Hospital	\$42,853
M01RR002635-19	Dzau, Victor J	After Effects Of Entrainment On Human Circadian Period	Brigham And Women's Hospital	\$341,552
M01RR002635-19	Dzau, Victor J	Circadian Adaptation To Night Work In Older People	Brigham And Women's Hospital	\$1,280
M01RR002635-19	Dzau, Victor J	Disrupted Sleep In The Elderly: Light Exposure Studies	Brigham And Women's Hospital	\$54,366

TRANS-NIH SLEEP RESEARCH – FISCAL YEAR 2003

Grant No	PI	Title	Institution	Funding
M01RR002635-19	Dzau, Victor J	Circadian Adaptation To Night Work In Young People	Brigham And Women's Hospital	\$66,520
M01RR002635-19	Dzau, Victor J	Effects Of Extended Work Hours On Interns	Brigham And Women's Hospital	\$252,647
M01RR002635-19	Dzau, Victor J	The Efficacy And Safety Of 12 Weeks Of Provigil (Modafinil) Therapy	Brigham And Women's Hospital	\$70,997
M01RR002635-19	Dzau, Victor J	Light, Sleep Timing And Circadian Phase In Older People	Brigham And Women's Hospital	\$10,874
M01RR002635-19	Dzau, Victor J	Circadian Rhythms, Sleep Timing And Diurnal Type	Brigham And Women's Hospital	\$639
M01RR002635-19	Dzau, Victor J	Effect Of CPAP On Upper Airway Activity In Older Vs. Younger Men At Sleep Onset	Brigham And Women's Hospital	\$29,421
M01RR002635-19	Dzau, Victor J	Effect Of Pressure And Flow On Pharyngeal Muscle Function	Brigham And Women's Hospital	\$10,874
M01RR002635-19	Dzau, Victor J	Ventilatory Stability In Normals And Sleep Apneics	Brigham And Women's Hospital	\$26,225
M01RR002635-19	Dzau, Victor J	Hypoglycemic Counterregulation In Narcolepsy	Brigham And Women's Hospital	\$11,513
M01RR002635-19	Dzau, Victor J	Nonpharmacological Treatment Of Sleep Disorders	Brigham And Women's Hospital	\$3,838
M01RR002635-19	Dzau, Victor J	Phototherapy Treatment Of Shift Rotation Insomnia	Brigham And Women's Hospital	\$191,883
M01RR002635-19	Dzau, Victor J	Homeostatic Sleep Regulation In Older People	Brigham And Women's Hospital	\$236,016
M01RR002635-19	Dzau, Victor J	Clinical Trials Of Light Pulses On Circadian Entrainment	Brigham And Women's Hospital	\$446,448
M01RR002635-19	Dzau, Victor J	Impact Of Sleep Disruption On Menstrual Cycle Dynamics	Brigham And Women's Hospital	\$53,727
M01RR002635-19	Dzau, Victor J	Neuroimaging At The Transition From Sleep To Wakefulness	Brigham And Women's Hospital	\$7,036
M01RR002635-19	Dzau, Victor J	Circadian And Sleep/Wake Aspects Of Nocturnal Asthma	Brigham And Women's Hospital	\$175,253
M01RR002635-19	Dzau, Victor J	Influence Of Sleep Gender Related Hormones On The Control Of Pharyngeal	Brigham And Women's Hospital	\$12,152
M01RR002635-19	Dzau, Victor J	Lung Volumes And Sleep	Brigham And Women's Hospital	\$15,990
M01RR002635-19	Dzau, Victor J	Ventilatory Response To Brief Arousal From Sleep In Men And Women With OSA	Brigham And Women's Hospital	\$3,838
M01RR002635-19	Dzau, Victor J	Respiratory Control Stability And Upper Airway Anatomy In Sleep Apnea	Brigham And Women's Hospital	\$14,071
M01RR002635-19	Dzau, Victor J	Clinical Trial Of The Effect Of Modafinil On Wakefulness And Sleep	Brigham And Women's Hospital	\$267,997
M01RR002635-19	Dzau, Victor J	Circadian Adaptation To Non- 24 Hour Sleep-Wake Schedules	Brigham And Women's Hospital	\$399,117
P41RR003655-18	Elston, Robert C	Mapping Genes For Fibromyalgia Syndrome	Case Western Reserve University	\$4,483
P41RR003655-18	Elston, Robert C	Genetic Analyses Of Obstructive Sleep Apnea	Case Western Reserve University	\$8,975
K23RR017636-1	Emens, Jonathan S	Genetics Of Morning/Evening Types In The Blind/Sighted: Sleep	Oregon Health & Science University	\$129,595
M01RR003186-18	Farrell, Philip M	Abnormalities In Sleep Architecture In Children With Epilepsy	University Of Wisconsin Madison	\$28,714
M01RR003186-18	Farrell, Philip M	Epidemiology Of Sleep-Disordered Breathing	University Of Wisconsin Madison	\$741,784
M01RR000188-39	Feigin, Ralph	Clinical Correlations Of Contiguous Gene Syndromes	Baylor College Of Medicine	\$39,885
M01RR000188-39	Feigin, Ralph	Nocturnal Asthma, Chronobiology And Sleep	Baylor College Of Medicine	\$9,021
M01RR001032-28	Flier, Jeffrey S	The Effects Of Cumulative Sleep Deficit In Human Host Response	Beth Israel Deaconess Medical Center	\$586,842
M01RR001032-28	Flier, Jeffrey S	Modafinil On Working Memory And Visual Perception Following Sleep Deprivation	Beth Israel Deaconess Medical Center	\$58,104
M01RR001032-28	Flier, Jeffrey S	The Cerebrovascular Response To Sleep And Arousal	Beth Israel Deaconess Medical Center	\$5,810
M01RR000847-30	Garson, Jr, Md, Arthur T	Sleep Apnea In Children	University Of Virginia Charlottesville	\$74,731

TRANS-NIH SLEEP RESEARCH – FISCAL YEAR 2003

Grant No	PI	Title	Institution	Funding
M01RR000847-30	Garson, Jr, Md, Arthur T	Nasal Flow Analysis As An Accurate Means Of Assessing Sleep Disordered Breathing	University Of Virginia Charlottesville	\$14,621
M01RR000096-42	Glickman, Robert M	Flow Limitation In The Diagnosis & Quantitation Of Sleep Disordered Breathing	New York University School Of Medicine	\$4,574
M01RR000096-42	Glickman, Robert M	Automated Analysis Of Sleep Disordered Breathing	New York University School Of Medicine	\$16,770
M01RR000096-42	Glickman, Robert M	A Novel Technique To Monitor Respiratory Disturbance During Sleep In Copd Pts.	New York University School Of Medicine	\$96,556
M01RR000096-42	Glickman, Robert M	Do Cfs Patients Have An Undiagnosed Sleep Disorder?	New York University School Of Medicine	\$25,918
M01RR000096-42	Glickman, Robert M	Comparison Of Minimal To Full Polysomnography For The Diagnosis Of Osahs	New York University School Of Medicine	\$101,130
P41RR013622-5	Goldberger, Ary L	Sleep Apnea & Reduced Waking Cardiac Vagal Tone	Beth Israel Deaconess Medical Center	\$12,521
P41RR013622-5	Goldberger, Ary L	Dynamics Of Rapid Eye Movements During Sleep	Beth Israel Deaconess Medical Center	\$12,521
P41RR013622-5	Goldberger, Ary L	Cardiac Dynamics During Sleep & Exercise	Beth Israel Deaconess Medical Center	\$12,521
P41RR013622-5	Goldberger, Ary L	Cardiac Dynamics During Sleep & Exercise	Beth Israel Deaconess Medical Center	\$6,260
P41RR013622-5	Goldberger, Ary L	Dynamics Of Sleep Wake Transitions During Sleep	Beth Israel Deaconess Medical Center	\$25,042
P41RR013622-5	Goldberger, Ary L	Dynamics Of Sleep Wake Transitions During Sleep In Humans & Animals	Beth Israel Deaconess Medical Center	\$12,521
P41RR013622-5	Goldberger, Ary L	Detection Of Sleep Apnea From Cardiac Interbeat Interval Time Series	Beth Israel Deaconess Medical Center	\$18,781
P41RR013622-5	Goldberger, Ary L	New Techniques For Heart Rate Variability Analysis	Beth Israel Deaconess Medical Center	\$31,302
P41RR013622-5	Goldberger, Ary L	Archive Of Mouse Physiologic Data For Nhlbi Cardiogenomics Pga	Beth Israel Deaconess Medical Center	\$6,260
M01RR000047-43	Gotto, Antonio M Jr	Race Ses And Diurnal Blood Pressure Rhythms	Weill Medical College Of Cornell Univ	\$86,770
M01RR000042-43	Greenfield, Lazar J Jr	Salivary Sampling Of Systemic Caffeine Concentrations For Apnea Of Prematurity	University Of Michigan At Ann Arbor	\$13,419
M01RR000042-43	Greenfield, Lazar J Jr	Gabapentin Treatment Of Alcohol And Sleep Problems	University Of Michigan At Ann Arbor	\$38,020
M01RR000042-43	Greenfield, Lazar J Jr	Behavioral Effects Of Obstructive Sleep Apnea In Children	University Of Michigan At Ann Arbor	\$25,205
M01RR000042-43	Greenfield, Lazar J Jr	Neurochemical Basis Of Sleep Disorders In Neurodegenerative Diseases	University Of Michigan At Ann Arbor	\$67,542
M01RR000042-43	Greenfield, Lazar J Jr	Activation Of Epileptic Cortex By Sleep	University Of Michigan At Ann Arbor	\$5,368
M01RR000042-43	Greenfield, Lazar J Jr	Sleep Disorders Associated With Epilepsy	University Of Michigan At Ann Arbor	\$28,627
M01RR000042-43	Greenfield, Lazar J Jr	Effects Of Levetiracetam On Sleep And Interictal Epileptiform Discharges	University Of Michigan At Ann Arbor	\$447
K23RR016068-4	Gurubhagavatula, Indira Md	Compare Screening Tools For Obstructive Sleep Apnea In Hypertension Pts	University Of Pennsylvania	\$129,347
M01RR000044-42	Guzick, David S	Comparison Of The Effect Of Two Weight Management Programs In Adolescents	University Of Rochester	\$23,961
U54NS039407-5	Haxhiu, Musa A	Central Determinants Of Airway Instability During Sleep	Howard University	\$143,165
M01RR000827-29	Holmes, Edward W Jr	Cognitive Benefits Of Treating Sleep Apnea In Dementia	University Of California San Diego	\$43,089
M01RR000827-29	Holmes, Edward W Jr	Sleep Deprivation, Eeg And Fmri In Depression	University Of California San Diego	\$38,176
M01RR000827-29	Holmes, Edward W Jr	Sleep Apnea And Hypertension: Role Of The Sympathetic Nervous System	University Of California San Diego	\$144,387
M01RR000827-29	Holmes, Edward W Jr	Effects Of Opioid Medications On Sleep And Fatigue	University Of California San Diego	\$36,286
M01RR000827-29	Holmes, Edward W Jr	Cognitive Performance Following Total Sleep Deprivation	University Of California San Diego	\$2,645
M01RR000827-29	Holmes, Edward W Jr	Influence Of Task Difficulty On Cerebral Response Following Sleep Deprivation	University Of California San Diego	\$73,705
M01RR000827-29	Holmes, Edward W Jr	Effects Of Modafinil On Behavioral And Cerebral Responses To Sleep Deprivation	University Of California San Diego	\$31,372

TRANS-NIH SLEEP RESEARCH – FISCAL YEAR 2003

Grant No	PI	Title	Institution	Funding
M01RR000827-29	Holmes, Edward W Jr	Tryptophan Free Amino Acid Drink Effect On Mood And Sleep	University Of California San Diego	\$150,813
M01RR000827-29	Holmes, Edward W Jr	Chronobiology Of Postpartum Depression	University Of California San Diego	\$77,485
M01RR000827-29	Holmes, Edward W Jr	Estradiol And Progesterone Circadian Rhythms In Postmenopause	University Of California San Diego	\$20,033
M01RR000827-29	Holmes, Edward W Jr	The Antidepressant Effects Of Sleep Deprivation And Sertraline	University Of California San Diego	\$16,253
M01RR000080-41	Horwitz, Ralph I	Mapping Of Genes For Fibromyalgia Syndrome	Case Western Reserve University	\$9,037
M01RR000080-41	Horwitz, Ralph I	Outcomes Of Sleep Disordered Breathing In Adolescents	Case Western Reserve University	\$16,268
M01RR000080-41	Horwitz, Ralph I	Familial Aggregation Of Sleep Apnea (Ii)	Case Western Reserve University	\$205,334
M01RR000080-41	Horwitz, Ralph I	Sleep And Outcome In High Risk Infants	Case Western Reserve University	\$60,371
M01RR006022-14	Kessler, David A	Respiratory Disorders Of Sleep In Children	Yale University	\$89,151
M01RR010732-9	Kirch, Darrell G	Sleep Disordered Breathing In Children	Pennsylvania State Univ Hershey Med Ctr	\$28,888
M01RR010732-9	Kirch, Darrell G	Role Of Nasal Antihistamines On Perennial Rhinitis Induced Sleep Disturbance	Pennsylvania State Univ Hershey Med Ctr	\$10,593
M01RR010732-9	Kirch, Darrell G	Alteration Of Sympathetic Act & Bp By CPAP In Sleep Apnea Patients	Pennsylvania State Univ Hershey Med Ctr	\$963
M01RR010732-9	Kirch, Darrell G	Eval Of Dextromethorphan & Diphenhydramine On Nocturnal Cough & Sleep Quality	Pennsylvania State Univ Hershey Med Ctr	\$8,426
M01RR010732-9	Kirch, Darrell G	Effects Of Handgrip Ex & Hypoxia On Norepi In Muscle & Fat	Pennsylvania State Univ Hershey Med Ctr	\$722
M01RR010732-9	Kirch, Darrell G	Il-6 Secretion And Quantity And Quality Of Sleep: Age And Gender Effects	Pennsylvania State Univ Hershey Med Ctr	\$8,426
M01RR010732-9	Kirch, Darrell G	Administration Of Enbrel (Etanercept) In Patients With Sleep Apnea	Pennsylvania State Univ Hershey Med Ctr	\$10,593
M01RR000052-42	Klag, Michael J	Cerebral Impact Of Childhood Sleep Apnea	Johns Hopkins University	\$1,731
M01RR000052-42	Klag, Michael J	Respiratory And Arousal Patterns In Normal Children	Johns Hopkins University	\$346
M01RR000052-42	Klag, Michael J	Cerebral Impact Of Childhood Sleep Apnea	Johns Hopkins University	\$692
M01RR000052-42	Klag, Michael J	Correlation Of Regional Cerebral Blood Flow With Rem Sleep Eye Movement ...	Johns Hopkins University	\$692
M01RR000052-42	Klag, Michael J	Functional Mri Assessment Of The Eye-Movement-Control Circuit During Rem Sleep	Johns Hopkins University	\$692
M01RR000052-42	Klag, Michael J	Obstructive Sleep Apnea In Adults With Down Syndrome	Johns Hopkins University	\$1,558
M01RR000052-42	Klag, Michael J	Evaluation Of The Relationship Between Upper Airway Collapsibility And Body Size	Johns Hopkins University	\$2,078
M01RR000052-42	Klag, Michael J	Developmental Determinants Of Upper Airway Collapsibility	Johns Hopkins University	\$1,039
M01RR002719-18	Klag, Michael J	Determining The Genetics Of The Restless Legs Syndrome	Johns Hopkins University	\$25,630
M01RR002719-18	Klag, Michael J	Dopaminergic Function In Restless Legs Syndrome	Johns Hopkins University	\$72,299
M01RR002719-18	Klag, Michael J	Mdma Neurotoxicity In Humans: Occurrence And Consequences	Johns Hopkins University	\$13,389
M01RR002719-18	Klag, Michael J	Early Identification Of Sleep Apnea (Eisa)	Johns Hopkins University	\$30,985
M01RR002719-18	Klag, Michael J	Stress Biomarkers In Sleep Apnea	Johns Hopkins University	\$8,033
M01RR002719-18	Klag, Michael J	Neural Control Of Upper Airway Collapsibility	Johns Hopkins University	\$49,347
M01RR002719-18	Klag, Michael J	Baseline Characterization Of Sleep Disordered Breathing	Johns Hopkins University	\$25,247
M01RR002719-18	Klag, Michael J	Neurohumoral Effects Of Weight Loss In Sleep Apnea	Johns Hopkins University	\$6,886
P51RR000169-42	Klein, Barry M	Primate Circadian Rhythms In The Martian Environment	University Of California Davis	\$35,253

TRANS-NIH SLEEP RESEARCH – FISCAL YEAR 2003

Grant No	PI	Title	Institution	Funding
M01RR000051-42	Krugman, Richard D	Effect Of Noc. Hypoxemia On Cognitive Exec Function In Obstructive Sleep Apnea	University Of Colorado Hlth Sciences Ctr	\$1,052
M01RR000048-42	Landsberg, Lewis L	Response To Light In Patients With Delayed Sleep Phase Syndrome	Northwestern University	\$1,747
M01RR000048-42	Landsberg, Lewis L	A Pilot Study On The Phase Shifting Response To 2-Hour Light Exposure	Northwestern University	\$337,210
M01RR000048-42	Landsberg, Lewis L	Responsiveness Of The Aging Circadian Clock To Light	Northwestern University	\$145,600
M01RR000048-42	Landsberg, Lewis L	Milk Availability And Lactation Status In Mothers Of Preterm And Term Infants	Northwestern University	\$27,374
M01RR000048-42	Landsberg, Lewis L	Sleep/Wake Rhythms In Aging: Responsiveness Of The Clock To Light	Northwestern University	\$66,394
M01RR000048-42	Landsberg, Lewis L	Manipulations Of External Zeitgebers In The Elderly	Northwestern University	\$16,890
M01RR000048-42	Landsberg, Lewis L	Age Related Effects Of Sleep Deprivation On Cerebral Cortical Activation	Northwestern University	\$80,372
M01RR000073-41	Lemon, Stanley M Jr	Clinical Predictors Of Obstructive Sleep Apnea After Stroke	University Of Texas Medical Br Galveston	\$4,983
M01RR000073-41	Lemon, Stanley M Jr	The Effect Of Adenotonsillectomy On Behavior Of Children With Sleep Apnea	University Of Texas Medical Br Galveston	\$6,977
M01RR000073-41	Lemon, Stanley M Jr	Assessment Of Sleep Disorders In Brain Injured Adults	University Of Texas Medical Br Galveston	\$15,615
M01RR000073-41	Lemon, Stanley M Jr	Sleep Disturbance In Pediatric Burn Survivors	University Of Texas Medical Br Galveston	\$997
M01RR000865-30	Levey, Gerald S	Alcoholism: Sleep And Cytokines	University Of California Los Angeles	\$71,090
M01RR000056-42	Levine, Arthur	Identifying And Treating Insomnia In Primary Care	University Of Pittsburgh At Pittsburgh	\$17,660
M01RR000056-42	Levine, Arthur	Psychobiology And Treatment Response In Primary Insomnia	University Of Pittsburgh At Pittsburgh	\$88,298
M01RR000056-42	Levine, Arthur	Sleep As A Mediator Of The Stress-Health Relationship	University Of Pittsburgh At Pittsburgh	\$45,621
M01RR000056-42	Levine, Arthur	Effect Of Quetiapine On Delta Sleep Deficits In Schizophrenia	University Of Pittsburgh At Pittsburgh	\$8,830
M01RR000056-42	Levine, Arthur	Eeg Sleep, Cortical Abnormalities & Neurodevelopment In Psychosis	University Of Pittsburgh At Pittsburgh	\$86,826
M01RR000056-42	Levine, Arthur	Effect Of Olanzapine On Delta Sleep Deficits In Schizophrenia	University Of Pittsburgh At Pittsburgh	\$2,943
M01RR000056-42	Levine, Arthur	The Neurocognitive Sequelae Of Obstructive Sleep Apnea In Children	University Of Pittsburgh At Pittsburgh	\$2,943
M01RR000056-42	Levine, Arthur	Performance & Sleep Consequences Of Repeated Phase Shifts Within Appendix K	University Of Pittsburgh At Pittsburgh	\$256,064
M01RR000056-42	Levine, Arthur	Sleeping Short: Helping Medium Sleepers Sleep Short Successfully	University Of Pittsburgh At Pittsburgh	\$64,752
M01RR000056-42	Levine, Arthur	Phase Shift Tolerance In Older People Iii (Modafinil)	University Of Pittsburgh At Pittsburgh	\$80,940
M01RR000056-42	Levine, Arthur	Effects Of Aging On Sleep: A Functional Neuroanatomic Perspective	University Of Pittsburgh At Pittsburgh	\$5,887
M01RR000056-42	Levine, Arthur	Sleep-Guided Pet Studies In Depression	University Of Pittsburgh At Pittsburgh	\$119,202
M01RR000056-42	Levine, Arthur	Geriatric Depression: Neurobiology Of Treatment	University Of Pittsburgh At Pittsburgh	\$72,110
M01RR000056-42	Levine, Arthur	Paroxetine In The Treatment Of Chronic Primary Insomnia	University Of Pittsburgh At Pittsburgh	\$23,546
M01RR000055-42	Madara, James L	Gastric Bypass Effects On Sleep & Glucose Reg	University Of Chicago	\$138,479
M01RR000055-42	Madara, James L	Role Of Sleep Duration In Metabolic Aging	University Of Chicago	\$15,737
M01RR000055-42	Madara, James L	Functions In Short And Long Sleeps	University Of Chicago	\$6,295
M01RR000055-42	Madara, James L	Sleep-Wake Regulation In Gh Deficiency	University Of Chicago	\$88,910
M01RR000055-42	Madara, James L	Paying The Sleep Debt To Improve Glucose Tolerance	University Of Chicago	\$36,981
M01RR000055-42	Madara, James L	Sleep And Testosterone Decline In Older Men	University Of Chicago	\$28,325

TRANS-NIH SLEEP RESEARCH – FISCAL YEAR 2003

Grant No	PI	Title	Institution	Funding
M01RR000055-42	Madara, James L	Sleep And Glucose Regulation	University Of Chicago	\$179,393
M01RR002172-21	Mandell, James W	Genioglossus Activity In Children With Sleep-Disordered Breathing	Children's Hospital (Boston)	\$38,666
M01RR002172-21	Mandell, James W	Sleep-Disordered Breathing In Children With Marfans Syndrome	Children's Hospital (Boston)	\$6,444
M01RR002172-21	Mandell, James W	Hypothalamic Physiology In Children With Craniopharyngioma	Children's Hospital (Boston)	\$3,222
K23RR015545-4	Mansoor, George A	Circadian Blood Pressure Profile: Sleep Quality & Hypertensive Organ Damage	University Of Connecticut Sch Of Med/Dnt	\$127,658
P51RR000168-42	Martin, Joseph B	Nonhuman Primates And Hyperactivity Disorders	Harvard University (Medical School)	\$14,224
P51RR000168-42	Martin, Joseph B	Melatonin Promotes Sleep In Nonhuman Primates	Harvard University (Medical School)	\$14,224
K23RR016566-2	Mason, Thornton B	Periodic Limb Movements In Williams Syndrome	Children's Hospital Of Philadelphia	\$131,652
M01RR000400-35	Moldow, Charles F	Dvlp Of Recognition Memory In Premature Infants With Normal Brain Ultrasounds	University Of Minnesota Twin Cities	\$2,720
M01RR013987-4	Moss, Gerald S	Milk Availability And Lactation Status In Mothers Of Preterm & Term Infants	University Of Illinois At Chicago	\$6,309
G12RR008124-11	Natalicio, Diana S	Neurological & Metabolic Disorders: Stroke, Rem Sleep, Obesity & Type Ii Diab	University Of Texas El Paso	\$203,840
P51RR000166-42	Nelson, Sidney D	Predicting And Reducing Severe Behavior Disorders In Laboratory Monkeys	University Of Washington	\$50,463
M01RR000084-41	Perlmutter, David H	Efficacy Of Enfamil Ar In Reducing Regurgitation, Crying, & Sleep Disturbance	Children's Hosp Pittsburgh/Upmc Hlth Sys	\$3,647
M01RR000070-41	Pizzo, Philip	Treatments For Insomnia	Stanford University	\$43,599
M01RR000037-43	Ramsey, Paul G	Testosterone Effects On Cognition In Aging And Ad: Oxygen And Sleep Quality	University Of Washington	\$55,735
M01RR000037-43	Ramsey, Paul G	Sleep In Older Women: Effects Of Estrogen	University Of Washington	\$235,735
M01RR000037-43	Ramsey, Paul G	Progesterone And Sleep In Older Women	University Of Washington	\$21,016
M01RR014288-5	Reece, E A	Auditory Evoked Potential Study In Patients With Chronic Low Back Pain	University Of Arkansas Med Scis Ltl Rock	\$9,821
M01RR013297-5	Reuter, James A	Psychological Sequelae (Effects) Of Distrubed Sleep In Pediatrics	Georgetown University	\$918
M01RR001070-27	Reves, Josphe G	Creating A Man-Portable Transcranial Magnetic Stimulation System	Medical University Of South Carolina	\$109,012
M01RR000059-42	Robillard, Jean E	The Effects Of Bright Light And Caffeine On Alterness After Sedation	University Of Iowa	\$41,882
M01RR000059-42	Robillard, Jean E	At-1 Receptor Blockade In Hypertensives With Obstructive Sleep Apnea	University Of Iowa	\$1,861
M01RR000059-42	Robillard, Jean E	Sleep Deprivation And Sympathetic Nerve Responses	University Of Iowa	\$6,825
M01RR000997-28	Roth, Paul B	Prevalence Of Sleep Disurbance In Children	University Of New Mexico Albuquerque	\$168,302
M01RR000997-28	Roth, Paul B	Role Of Allergy Treatment In The Management Of Children With Sleep Apnea	University Of New Mexico Albuquerque	\$10,976
M01RR000997-28	Roth, Paul B	Physiological Biomarkers Of Cancer-Treatment Related Fatigue	University Of New Mexico Albuquerque	\$33,538
M01RR000040-43	Rubenstein, Arthur H	Sleep Restriction: Modafinil As A Neurobehavioral Countermeasure	University Of Pennsylvania	\$39,451
M01RR000040-43	Rubenstein, Arthur H	Countermeasures To Neurobehavioral Deficits From Sleep Loss	University Of Pennsylvania	\$323,451
M01RR000040-43	Rubenstein, Arthur H	Neurobehavioral Effects Of Partial Sleep Deprivation	University Of Pennsylvania	\$130,349
M01RR000040-43	Rubenstein, Arthur H	Study Of Effects Of CPAP On Hypertension	University Of Pennsylvania	\$31,145
M01RR000040-43	Rubenstein, Arthur H	Case-Control Study Of Insomnia In Non-Depressed Elderly	University Of Pennsylvania	\$22,609
M01RR000040-43	Rubenstein, Arthur H	Treatment For Sleep Apnea In The Elderly	University Of Pennsylvania	\$26,993
M01RR000040-43	Rubenstein, Arthur H	Autoset Cs Vs. Oxygen For The Treatment Of Cheyne-Stokes Respiration	University Of Pennsylvania	\$14,535

TRANS-NIH SLEEP RESEARCH – FISCAL YEAR 2003

Grant No	PI	Title	Institution	Funding
M01RR000040-43	Rubenstein, Arthur H	Sleep Homeostasis (Drive For Sleep) In Twins	University Of Pennsylvania	\$2,768
M01RR000040-43	Rubenstein, Arthur H	Effect Of Sleep Deprivation On Insulin Sensitivity: A Pilot Study	University Of Pennsylvania	\$5,537
M01RR000040-43	Rubenstein, Arthur H	Predicting Vulnerability To Performance Impairment From Sleep Loss	University Of Pennsylvania	\$95,743
M01RR000040-43	Rubenstein, Arthur H	Individual Differences In Response To Sleep Deprivation	University Of Pennsylvania	\$230
M01RR001066-26	Slavin, Peter L	Nefazodone In The Early Remission Of Alcohol Dependence	Massachusetts General Hospital	\$561
P20RR016467-3	Smith, Dean O	Physiological Signals Analysis Laboratory And Digital Polysomnograph	University Of Hawaii At Manoa	\$9,781
K26RR017543-2	Toth, Linda A	Behavioral And Physiologic Pathobiology Of Mice: Sleep Research	Southern Illinois University Carbondale	\$119,269
M01RR000043-43	Van Der Meulen, Joseph P	Cardiorespiratory Transfer In Obstructive Sleep Apnea	University Of Southern California	<u>\$10,304</u>
NCCR TOTAL				\$13,204,155

NATIONAL CENTER FOR COMPLEMENTARY AND ALTERNATIVE MEDICINE

Grant No	PI	Title	Institution	Funding
R01AT000611-04	Bliwise, Donald	Polysomnographic Assessment Of Alternative Treatment	Emory University	\$43,200
R21AT001065-01A1	Chiang, Joseph	Acupuncture To Prevent Postoperative Paralytic Ileus	University Of Texas Md Anderson Can Ctr	\$37,750
R01AT001521-01A1	Gooneratne, Nalaka	Melatonin Randomized Trial For Insomnia In The Elderly	University Of Pennsylvania	\$345,100
K01AT000066-04	Khalsa, Sat	Yoga As A Treatment For Insomnia	Brigham And Women's Hospital	\$133,920
R01AT000212-03	Sloane, Philip	High Intensity Light Therapy In Alzheimer's Disease	University Of North Carolina Chapel Hill	\$40,070
R01AT000212-03S1	Sloane, Philip	High Intensity Light Therapy In Alzheimer's Disease	University Of North Carolina Chapel Hill	\$20,876
Y01AT003003-01		Evidence Based Practice Centers	Default	<u>\$500,000</u>
NCCAM TOTAL				\$1,120,916

NATIONAL INSTITUTE OF BIOMEDICAL IMAGING AND BIOENGINEERING

Grant No	PI	Title	Institution	Funding
1 R21 EB001780-01	Brennick, Michael	J Pharyngeal Mechanics By Tagged MRI In A Zucker Rat Model	University Of Pennsylvania	\$178,313
9 R01 EB003320-06	Kennedy, Robert T	In Vivo Chemical Monitoring Using Capillary Separations	University of Minnesota Twin Cities	<u>\$79,350</u>
NIBIB TOTAL				\$257,663

NIH Fiscal Year 2003 TOTAL \$197,084,609